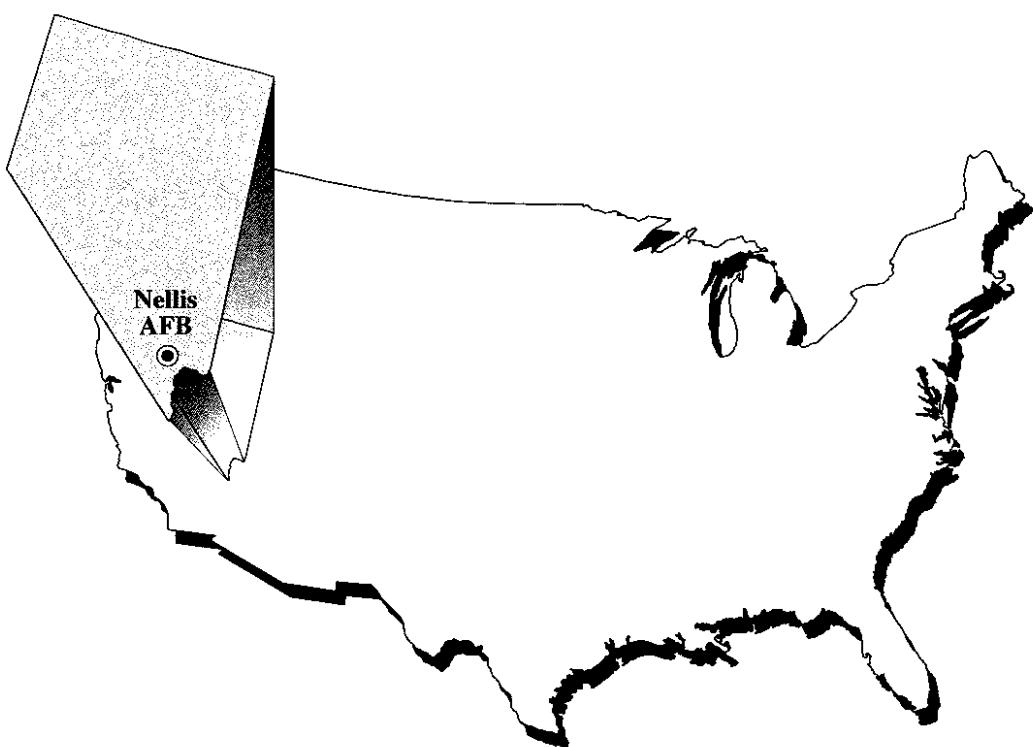




ENVIRONMENTAL BASELINE SURVEY

December 2003



DUNNING CIRCLE HOUSING AREA
NELLIS AIR FORCE BASE
NEVADA

Report Documentation Page			Form Approved OMB No. 0704-0188	
<p>Public reporting burden for the collection of information is estimated to average 1 hour per response, including the time for reviewing instructions, searching existing data sources, gathering and maintaining the data needed, and completing and reviewing the collection of information. Send comments regarding this burden estimate or any other aspect of this collection of information, including suggestions for reducing this burden, to Washington Headquarters Services, Directorate for Information Operations and Reports, 1215 Jefferson Davis Highway, Suite 1204, Arlington VA 22202-4302. Respondents should be aware that notwithstanding any other provision of law, no person shall be subject to a penalty for failing to comply with a collection of information if it does not display a currently valid OMB control number.</p>				
1. REPORT DATE 21 JAN 2004	2. REPORT TYPE N/A	3. DATES COVERED		
4. TITLE AND SUBTITLE Environmental Baseline Survey Dunning Circle Housing Area Nellis Air Force Base Nevada			5a. CONTRACT NUMBER	
			5b. GRANT NUMBER	
			5c. PROGRAM ELEMENT NUMBER	
6. AUTHOR(S)			5d. PROJECT NUMBER	
			5e. TASK NUMBER	
			5f. WORK UNIT NUMBER	
7. PERFORMING ORGANIZATION NAME(S) AND ADDRESS(ES) Nellis Air Force Base			8. PERFORMING ORGANIZATION REPORT NUMBER	
9. SPONSORING/MONITORING AGENCY NAME(S) AND ADDRESS(ES)			10. SPONSOR/MONITOR'S ACRONYM(S)	
			11. SPONSOR/MONITOR'S REPORT NUMBER(S)	
12. DISTRIBUTION/AVAILABILITY STATEMENT Approved for public release, distribution unlimited.				
13. SUPPLEMENTARY NOTES The original document contains color images.				
14. ABSTRACT				
15. SUBJECT TERMS				
16. SECURITY CLASSIFICATION OF: a. REPORT b. ABSTRACT c. THIS PAGE unclassified unclassified unclassified			17. LIMITATION OF ABSTRACT UU	18. NUMBER OF PAGES 153
			19a. NAME OF RESPONSIBLE PERSON	

**ENVIRONMENTAL BASELINE SURVEY
DUNNING CIRCLE HOUSING AREA**

NELLIS AIR FORCE BASE, NEVADA

DECEMBER 2003

TABLE OF CONTENTS

	<u>Page</u>
1.0 PURPOSE OF THE ENVIRONMENTAL BASELINE SURVEY.....	1-1
1.1 BOUNDARIES OF THE PROPERTY AND SURVEY AREA.....	1-1
2.0 SURVEY METHODOLOGY.....	2-1
2.1 APPROACH AND RATIONALE.....	2-1
2.1.1 Documents Reviewed.....	2-3
2.1.2 Property Inspections	2-3
2.1.3 Personnel Interviews	2-4
2.1.4 Sampling.....	2-4
2.1.5 Limitations of the EBS	2-5
3.0 FINDINGS.....	3-1
3.1 CURRENT AND HISTORICAL USES	3-1
3.1.1 Current Land Use	3-1
3.1.2 Historic Land Use	3-1
3.2 ENVIRONMENTAL SETTING	3-2
3.2.1 Topography Features	3-2
3.2.1.1 Topography.....	3-2
3.2.1.2 Surface Drainage.....	3-2
3.2.2 Hydrogeologic Features.....	3-3
3.2.2.1 Geology.....	3-3
3.2.2.2 Groundwater.....	3-3
3.2.3 Utilities	3-4
3.2.3.1 Electrical	3-4
3.2.3.2 Water	3-4
3.2.3.3 Wastewater.....	3-6
3.2.3.4 Natural Gas.....	3-6
3.2.3.5 Solid Waste	3-6
3.3 HAZARDOUS SUBSTANCES.....	3-10
3.3.1 Hazardous Materials and Petroleum Products	3-10
3.3.2 Hazardous and Petroleum Wastes.....	3-10
3.4 INSTALLATION RESTORATION PROGRAM	3-11
3.5 STORAGE TANKS	3-11
3.5.1 Aboveground Storage Tanks.....	3-11
3.5.2 Underground Storage Tanks	3-12
3.5.3 Pipelines, Hydrant Fueling, and Transfer Systems.....	3-12
4.0 ADJACENT PROPERTY FINDINGS.....	4-1
4.1 LAND USES	4-1
4.2 SURVEY OF ADJACENT PROPERTIES.....	4-1
4.2.1 On-Base Properties	4-1
4.2.2 Off-Base Properties	4-2
4.3 DATABASE SEARCH.....	4-2
5.0 APPLICABLE REGULATORY COMPLIANCE ISSUES	5-1
5.1 LIST OF COMPLIANCE ISSUES	5-1
5.2 DESCRIPTION OF CORRECTIVE ACTIONS	5-1
5.3 ESTIMATES OF VARIOUS ALTERNATIVES	5-1

TABLE OF CONTENTS (Continued)

	<u>Page</u>
6.0 CONCLUSIONS	6-1
7.0 RECOMMENDATIONS	7-1
8.0 CERTIFICATIONS.....	8-1
8.1 CERTIFICATION OF THE ENVIRONMENTAL BASELINE SURVEY	8-1
8.2 CERTIFICATIONS OF CONTAMINATION OR NO CONTAMINATION	8-2
8.3 CERTIFICATION OF POLYCHLORINATED BIPHENYL CLEARANCE FOR THE DUNNING CIRCLE HOUSING AREA	8-3

Appendices

- A - Terms
- B - Maps and Aerial Photographs
- C - Site Photographs
- D - References
- E - Interviews and Visual Site Inspection Forms
- F - Federal and State Database Search Findings
- G - Conservation Factors Findings

LIST OF TABLES

<u>Table</u>		<u>Page</u>
2-1	Personnel Interviewed.....	2-4
4-1	ERP Sites within 1/4 Mile of the Dunning Circle Housing Area.....	4-2
4-2	Federal and State Databases	4-4
4-3	Database Sites – Dunning Circle Housing Area	4-6
6-1	Dunning Circle Housing Area - Facility/Property Matrix	6-2

LIST OF FIGURES

<u>Figure</u>		<u>Page</u>
1-1	Nellis Air Force Base Regional Map	1-3
1-2	Nellis AFB Installation Map	1-4
1-3	Dunning Circle Housing Area	1-5
3-1	Electrical Distribution System, Dunning Circle Housing Area	3-5
3-2	Water Distribution System, Duning Circle Housing Area	3-7
3-3	Wastewater System, Dunning Circle Housing Area.....	3-8
3-4	Natural Gas Distribution System, Dunning Circle Housing Area.....	3-9
4-1	ERP/AOC Sites Within 1/4 mile of the Dunning Circle Housing Area.....	4-3
4-2	Database Sites, Dunning Circle Housing Area	4-9

THIS PAGE INTENTIONALLY LEFT BLANK

ACRONYMS

ACC	Air Combat Command
ACM	asbestos-containing material
AFB	Air Force Base
AFI	Air Force Instruction
AFPD	Air Force Policy Directive
AOC	Area of Concern
AST	aboveground storage tank
CAS	Central Accumulation Point
CCSD	Clark County Sanitation District
CERCLA	Comprehensive Environmental Response, Compensation, and Liability Act
CES	Civil Engineer Squadron
CFR	Code of Federal Regulations
CPSC	Consumer Product Safety Commission
CRMP	Cultural Resources Management Plan
CWA	Clean Water Act
DCNR	Department of Conservation and Natural Resources
DDE	dichlorodiphenyldichloroethylene
DDT	dichlorodiphenyltrichloroethane
DOD	Department of Defense
DPG	Defense Planning Guidance
DRMO	Defense Reutilization and Marketing Office
EBS	environmental baseline survey
EPA	Environmental Protection Agency
ERNS	Emergency Response Notification System,
ERP	Environmental Restoration Program
FINDS	Facility Index System
FY	fiscal year
HAZNET	Facility and Manifest Data
HUD	Housing and Urban Development
IAP	initial accumulation point
INRMP	Integrated Natural Resources Management Plan
IRP	Installation Restoration Program
KV	kilovolt
LBP	lead-based paint
LF	linear feet
LUST	leaking underground storage tank
mg/kg	milligrams per kilogram
MFH	military family housing
MGD	million gallons per day
MILCON	military construction
MSL	mean sea level
MW	megawatt
NEPA	National Environmental Policy Act
OSD	Office of the Secretary of Defense
OSHA	Occupational Safety and Health Administration
OWS	oil/water separator
PCB	polychlorinated biphenyl
pCi/l	picocuries per liter

P.L.	Public Law
ppm	parts per million
PRG	Preliminary Remediation Goal
PVC	polyvinyl chloride
RAMP	Radon Assessment and Mitigation Program
RCRA	Resource Conservation and Recovery Act
SHWS	State Hazardous Waste Sites
SNWA	Southern Nevada Water Authority
SWF/LF	Solid Waste Facilities/Landfill Sites
SWPPP	Storm Water Pollution Prevention Plan
TDS	total dissolved solids
TSCA	Toxic Substances Control Act
U.S.C.	U.S. Code
UST	underground storage tank
VSI	visual site inspection

1.0 PURPOSE OF THE ENVIRONMENTAL BASELINE SURVEY

This environmental baseline survey (EBS) has been prepared to document the environmental condition of real property at the Dunning Circle Housing Area at Nellis Air Force Base (AFB), Nevada, resulting from the storage, release, and disposal of hazardous substances and petroleum products and their derivatives over the installation's history. Preparation of an EBS is required by Department of Defense (DOD) policy before any property can be sold, leased, transferred, or acquired. Air Force Policy Directive (AFPD) 32-70, Environmental Quality, provides responsibilities and procedures for conducting an EBS and is implemented through Air Force Instruction (AFI) 32-7066, *Environmental Baseline Surveys in Real Estate Transactions*.

The EBS will also be used by the Air Force to comply with the provisions of the Comprehensive Environmental Response, Compensation, and Liability Act (CERCLA) 42 U.S. Code (U.S.C.) Section 9260(h)(3) when property is being transferred by a federal agency. This EBS aids in establishing present property conditions that would be utilized in making decisions supporting the lease of the Dunning Circle Housing Area land and transfer by deed of housing units to a private contractor.

The Office of the Secretary of Defense (OSD), in the current Defense Planning Guidance (DPG), has tasked DOD services to upgrade all inadequate required military family housing (MFH) by or before fiscal year (FY) 2010. This effort would cost the Air Force more than \$7 billion in family housing funds; sufficient funds are not projected to be available through the next 10 years to meet this goal using traditional construction options (e.g., military construction [MILCON] funding). The 1996 Defense Authorization Act provides DOD services with authorities that permit the use of private capital to meet housing requirements, where economically feasible. DOD services have also been provided the authority to permit privatization of MFH where housing is geographically separated from or severable from the installation, if the privatization project is economically feasible.

The Nellis AFB Family Housing Master Plan indicates that the option to privatize MFH areas is feasible because it meets both criteria (severable from the installation and economically feasible) required for privatization (U.S. Air Force, 2001). Life-cycle costs for privatization are less than those required for continued government ownership.

The six MFH units and one family housing storage unit within the Dunning Circle Housing Area would be conveyed to a private contractor. The Air Force would retain ownership of the land; a long-term lease would be prepared between the Air Force and the contractor for use of the land. Housing units would be transferred by deed to the contractor. The contractor would be responsible for demolition of the existing housing units and the construction of four to six replacement units. However, it is possible that the Dunning Circle Housing Area would be left vacant. In the event that housing is reconstructed on the site, the

contractor would operate and maintain the Dunning Circle Housing Area. If housing is not reconstructed on the site, the vacant property would return to Air Force control after demolition of the existing housing units is completed.

The information presented in this EBS is complete and accurate as of November 2001. However, as investigation and remediation efforts under the Environmental Restoration Program (ERP) and other environmental programs continue, the status of facilities and sites within the Dunning Circle Housing Area may change. This EBS is based on available environmental information related to past and present storage, release, or disposal of hazardous substances and petroleum products on the installation.

This EBS will be used by the Air Force, along with other available information, to:

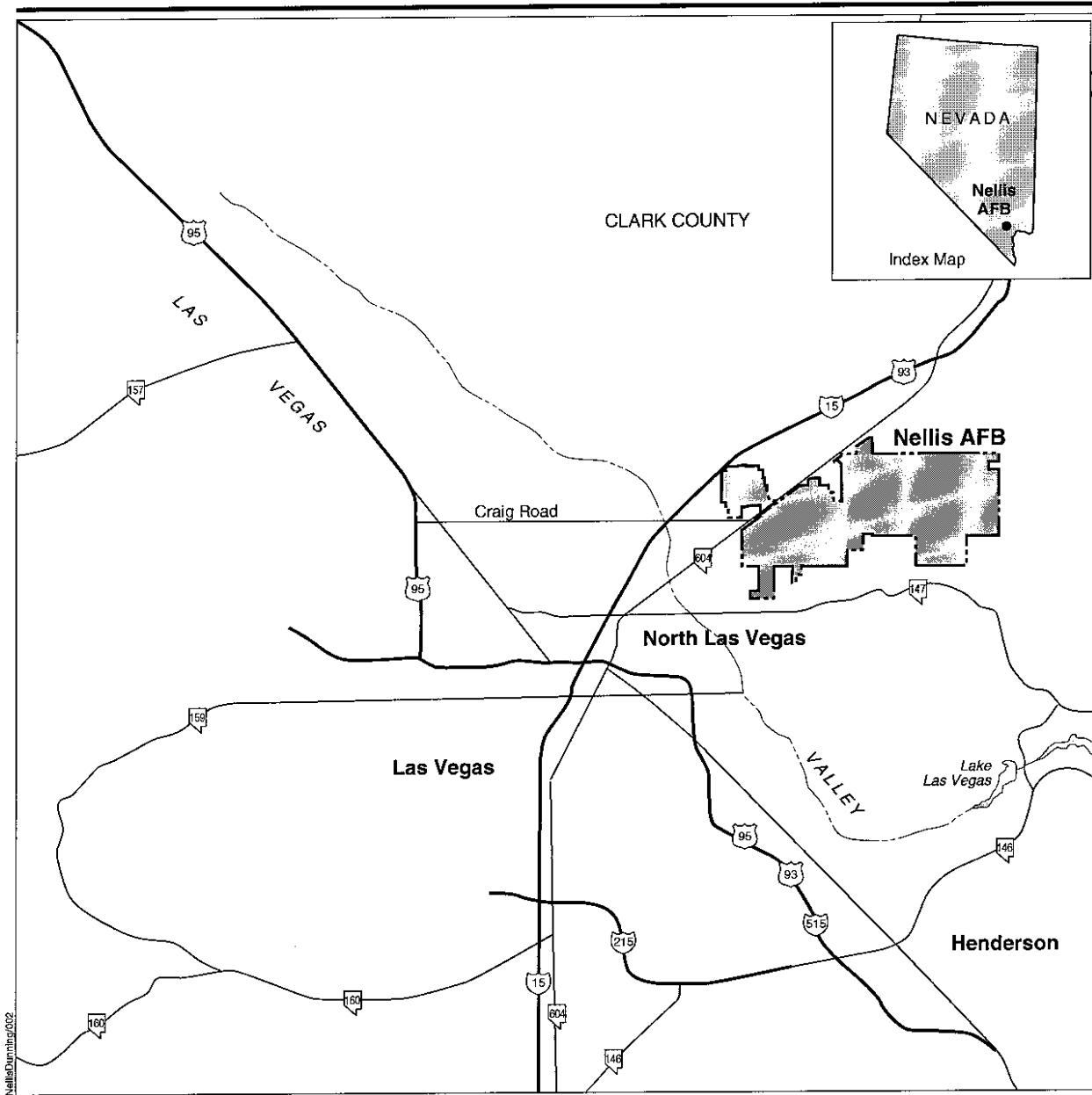
- Develop sufficient information to assess the health and safety risks on the property surveyed and to determine what actions are necessary to protect human health and the environment
- Support decisions for an environmental suitability decision document and aid in determining deed/lease restrictions
- Support notice, when required under Section 120(h) of CERCLA, of the type, quantity, and time frame of any storage, release, or disposal of hazardous substances or petroleum products or their derivatives on the property
- Identify data gaps concerning environmental contamination
- Identify potential environmental concerns associated with the property.

1.1 BOUNDARIES OF THE PROPERTY AND SURVEY AREA

Nellis AFB is situated approximately 8 miles northeast of Las Vegas, in Clark County, Nevada (Figure 1-1). Nellis AFB occupies 11,450 acres, and includes three major functional areas: Area I, the main base; Area II, northeast of the main base that contains the weapons storage area; and Area III, west of North Las Vegas Boulevard (State Highway 604). The Dunning Circle Housing Area is in Area I of Nellis AFB, east of the Main Gate (Figure 1-2).

The Dunning Circle Housing Area encompasses approximately 5 acres and contains six MFH units, one family housing storage unit, and one carport (Figure 1-3). The property also contains an inground swimming pool that has been abandoned and filled in.

The findings of this EBS are based on a review of available information and inspection of property associated with:



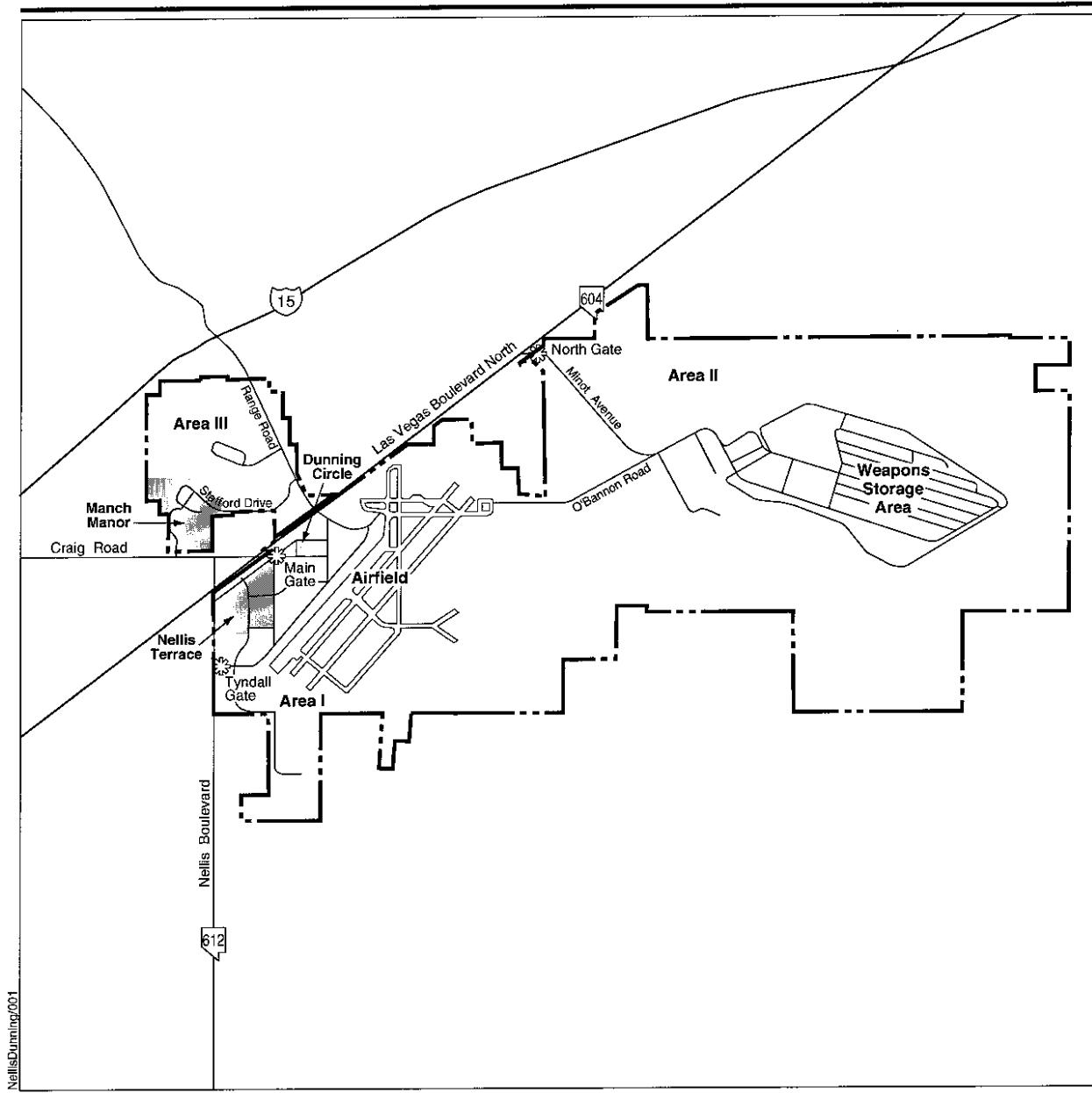
EXPLANATION

- U.S. Highway
- Interstate Highway
- State Highway

Nellis Air Force Base Regional Map



Figure 1-1



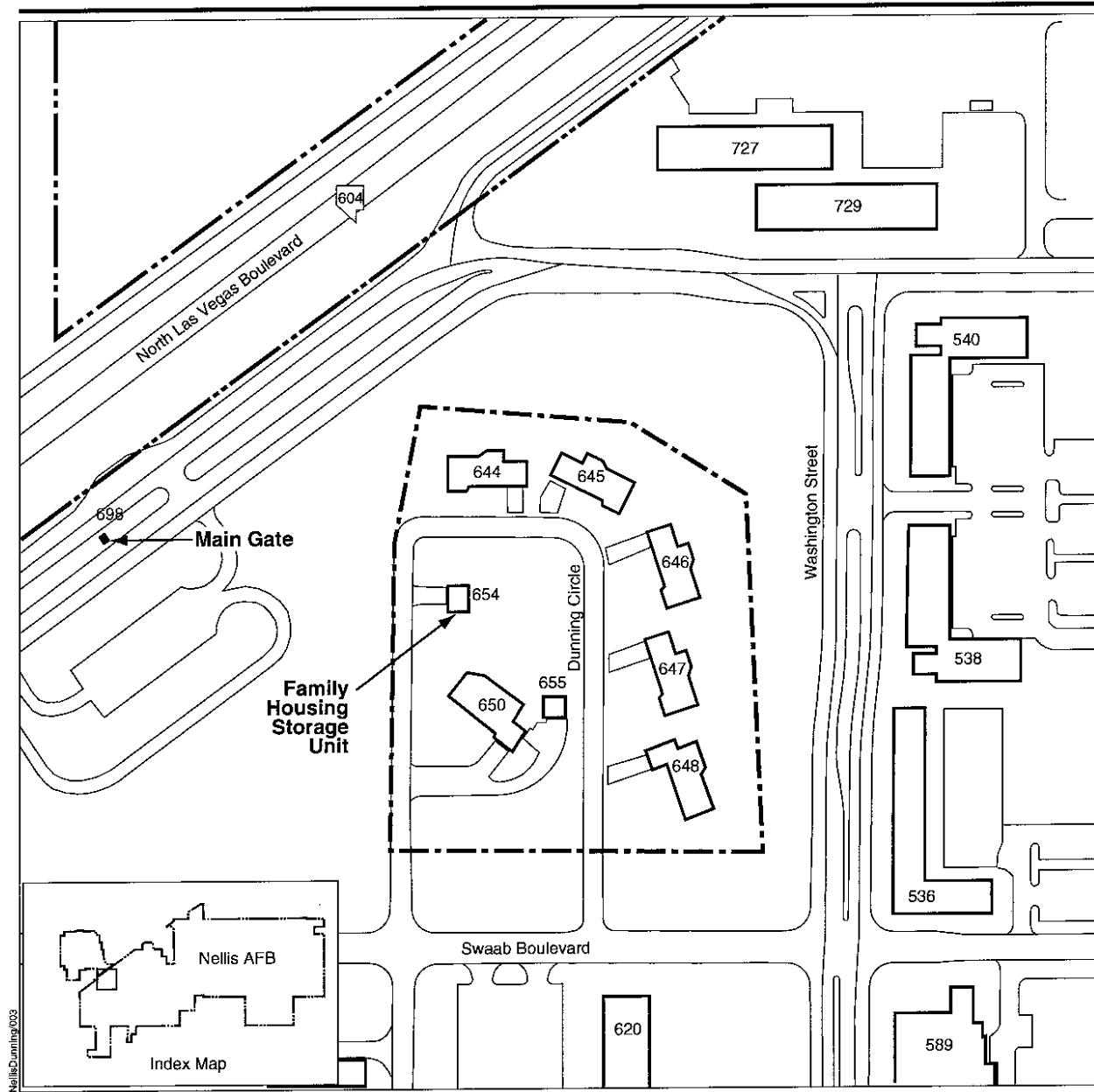
EXPLANATION

- Interstate Highway
- State Highway
- Base Boundary
- Housing Area
- Entrance Gate



**Nellis AFB
Installation Map**

Figure 1-2



EXPLANATION

- Installation Boundary
- 604 State Highway
- - - Dunning Circle Housing Area Boundary

Dunning Circle Housing Area



Figure 1-3

- Dunning Circle Housing Area property
- Property immediately adjacent to the Dunning Circle Housing Area (i.e., having borders contiguous with the boundaries of the area)
- Property within approximately 0.25 mile to 1.0 mile of the Dunning Circle Housing Area boundaries with potential environmental concerns.

The results of the survey for the Dunning Circle Housing Area property and property adjacent to these housing areas are discussed in Chapters 3.0 and 4.0, respectively.

2.0 SURVEY METHODOLOGY

Based on an analysis of the available data, the facilities and land associated with the Dunning Circle Housing Area were classified into one of seven categories:

- *Category 1* - Areas where no release or disposal of hazardous substances or petroleum products has occurred (including no migration of these substances from adjacent areas)
- *Category 2* - Areas where only release or disposal of petroleum products has occurred
- *Category 3* - Areas where release, disposal, and/or migration of hazardous substances have occurred, but at concentrations that do not require a removal or remedial response
- *Category 4* - Areas where release, disposal, and/or migration of hazardous substances have occurred, and all removal or remedial actions have been taken
- *Category 5* - Areas where release, disposal, and/or migration of hazardous substances have occurred, and all removal or remedial actions are underway, but have not yet been completed
- *Category 6* - Areas where release, disposal, and/or migration of hazardous substances have occurred, but remedial actions have not been implemented
- *Category 7* - Areas that are not evaluated or require additional evaluation.

Property categories are based on the definitions included in AFI 32-7066. However, in 1996, revisions were made to property categories based on DOD guidance that revised the definition of "uncontaminated" property used in the Category 1 designation. Uncontaminated property is defined as property where no release or disposal of hazardous substances or petroleum products has occurred. Therefore, a property can be considered Category 1, even if hazardous substances or petroleum products are stored on the property. Under the original property category definitions, storage of hazardous substances or petroleum products, even without a release, caused the property to be considered Category 2. Under the revised property category definitions, property associated with the release of a petroleum product is considered Category 2. Within this EBS, hazardous substance storage is noted, as appropriate. However, unless a release has been identified, the property is considered Category 1.

Property categorization is based on the presence and status of substances and conditions defined in CERCLA 101 (14), but not substances or conditions defined in CERCLA 104 (a)(3). The findings of this EBS for each of these substances and conditions are provided in Sections 3.3 through 3.13. The presence and

status of additional substances and conditions was evaluated, and the findings are presented for disclosure purposes only. These are substances and conditions that are not regulated under CERCLA but that may affect the subject property, and CERCLA substances that do not pose a specific risk or hazard to human health or safety if they are maintained and managed properly. The findings of the EBS for these substances and conditions are provided in Sections 3.14 through 3.18; however, these substances and conditions were not used in property categorization.

Land and facilities were categorized independent of each other because of the different real estate transaction associated with each. The ownership of the land will be retained by the Air Force and leased to a private contractor; the facilities will be transferred by deed to the contractor. Each factor was first categorized based on its past or present potential for environmental concern. Then, the categories for all factors present at each location were considered to determine the overall land or facility category. The highest category would determine the overall category for the land/facility. For example, if a parcel of land had a storage tank classified as Category 2 and an ERP site classified as Category 5, the overall categorization would be a Category 5.

Property in the first four categories is eligible for deed transfer (Department of Defense, 1995). Property in the last three categories will not be considered for transfer until the necessary actions have been taken and the property has been reclassified into one of the first four categories. Leases are permitted for property within the first four categories and would be considered on a case-by-case basis for properties within the last three categories.

Pursuant to U.S. Environmental Protection Agency (EPA) and DOD guidance, this EBS identifies property as uncontaminated even if some limited quantity of hazardous substances or petroleum products was released or disposed of in cases where the available information indicates that such release or disposal poses no threat to human health or the environment. Examples, as provided in the U.S. EPA guidance, include usage of common household chemicals and storage of heating fuel in base housing areas, incidental releases of petroleum products on roadways and parking lots, and the routine licensed application of pesticides (U.S. Environmental Protection Agency, 1994).

2.1 APPROACH AND RATIONALE

A methodical process was followed for this EBS in which available information was analyzed and conclusions were drawn about the condition of Dunning Circle Housing Area property. First, property records were reviewed to identify historic land and facility uses that may be primary indicators of potential contamination. Studies and field investigations based on CERCLA and Resource Conservation and Recovery Act (RCRA) (42 U.S.C. Section 6901, et seq.) requirements were then reviewed to identify areas where the presence (or absence) of contamination has been confirmed. Audits and surveys (e.g., asbestos-containing material [ACM], lead-based paint [LBP], radon) were reviewed to identify any other environmental concerns. In addition, installation personnel were interviewed, and

surveys were conducted to identify evidence of stressed vegetation, stained soils, unusual odors, or other issues that might indicate the presence of contamination.

2.1.1 Documents Reviewed

The records search of available documentation focused primarily on records, reports, maps, and aerial photographs maintained by the 99th Civil Engineer Squadron (99 CES).

Various studies, investigations, and inspections that consider environmental conditions at Nellis AFB, including regulatory compliance issues, have been conducted by the Air Force and other state and federal agencies in the past several years. The results of these studies and investigations provided the initial baseline used to develop this EBS and are referenced throughout this document. The primary types of studies or investigations include the following:

- ERP studies
- Basewide environmental and infrastructure studies (e.g., ACM, LBP, radon surveys)
- Installation planning documents (e.g., Integrated Natural Resources Management Plan [INRMP], Cultural Resources Management Plan [CRMP])
- EBSs and National Environmental Policy Act (NEPA) documentation for the subject properties
- State regulatory documentation contained in the base files.

As part of the records search, historic aerial photographs and maps were reviewed and analyzed to assist in identifying past land and facility uses and potential environmental contamination sources and to verify other information found in the records search. A detailed list of references used in preparing this EBS is presented in Appendix D.

2.1.2 Property Inspections

A visual site inspection (VSI) was conducted in May 2002 to verify characteristics or features identified in the records search and to identify other potential environmental concerns related to the property associated with the Dunning Circle Housing Area.

A VSI of one MFH unit was conducted to determine or confirm the presence of environmental contamination or concerns including unusual odors, stained soils, stressed vegetation, underground storage tanks (USTs), or other potential indicators of environmental contamination. This housing unit was representative of all the housing units within the Dunning Circle Housing Area.

VSI_s of each MFH unit were not performed based on the residential nature of the MFH units. Large quantities of hazardous materials or hazardous waste are typically not used or stored within residential structures. Activities that occur within housing units and housing areas do not utilize processes that are of potential concern to the environment, such as those typically found in industrial structures. In addition, housing units do not require individual inspections due to the similarity of construction methods and materials. Finally, compliance programs are in place that address issues of potential concern (i.e., ACM, LBP, radon) within housing units. The scope of this EBS does not include inspections of housing units for these issues, as these types of surveys have been performed, and required response or remedial actions have been or are being conducted under existing compliance programs.

A survey was conducted by walking through the Dunning Circle Housing Area to identify potential environmental contamination. Dunning Circle Housing Area facilities are listed and their key characteristics summarized in Table 6-1.

2.1.3 Personnel Interviews

During the records search, Nellis AFB personnel were interviewed to identify potential environmental concerns related to recent and historic operations on the Dunning Circle Housing Area property and to verify information found during the records search. A list of individuals contacted during preparation of this EBS is provided in Table 2-1. Primary contacts were made with personnel from 99 CES and Bioenvironmental Engineering. Principal Civil Engineer contacts included personnel from the Environmental, Engineering, and Housing Management Flights, and the Real Estate section.

Table 2-1. Personnel Interviewed

Barbara Burnham	99 CES/CEH	Housing
James Campe	99 CES/CEVN	National Environmental Policy Act
Monica Eichler	99 CES/CEVC	PCBs, LBP, asbestos, radon
D.J. Haarklau	99 CES/CEVC	Storage tanks
Lynn Haarklau	99 CES/CEVN	Cultural Resources
Major Lana Harvey	99 AMDS/SGPB	Bioenvironmental engineering
Joe Lepore	99 CES/CERR	Real Estate
Keith Myhrer	99 CES/CEVN	Cultural Resources
John Roe	99 CES/CEVC	Water and Wastewater
Bill Sandeen	99 CES/CEVN	Environmental Management
Bernd Schmidt	99 CES/CEVR	ERP
Eric Watkins	99 CES/CEVN	Biological Resources

2.1.4 Sampling

No samples for testing or analysis were collected as part of this EBS.

2.1.5 Limitation of the EBS

ACM and LBP sampling results were not available for all housing units. Of the six housing units within Dunning Circle, five units were sampled for LBP. Sampling results indicated that LBP was present in four of the five housing units. Based on these results, it is assumed that the remaining housing unit and the family housing storage unit has the potential to contain LBP. An ACM survey was conducted on a representative sample of all MFH units. It is assumed that the Dunning Circle housing units were sampled, although the results of the ACM survey by building are not available. Results of the investigation indicated that 67 percent of housing units sampled contained ACM. Based on these results, the housing units and family housing storage unit have the potential to contain ACM. This assumption is based on similarities in construction type, dates, and materials.

THIS PAGE INTENTIONALLY LEFT BLANK

3.0 FINDINGS

This chapter presents the findings of the records search, interviews, and VSI. An overview of the history and land use for the Dunning Circle Housing Area is presented in Section 3.1. Section 3.2 provides a description of the environmental setting, including relevant information on topography and surface drainage patterns, groundwater hydrology, soils and geology, and utility systems. Sections 3.3 through 3.13 present the findings for factors used in property categorization. Section 3.14 through 3.18 present findings on disclosure issues only. These factors were not used in property categorization.

The data within each factor have been organized into a table provided in Section 6.1 of this EBS. The data listed in the text and tables are based upon information obtained from Nellis AFB during the records search conducted in November 2001 and the VSI conducted in May 2002.

3.1 CURRENT AND HISTORICAL USES

3.1.1 Current Land Use

Land use within the Dunning Circle Housing Area is residential.

3.1.2 Historic Land Use

A review of available data and aerial photographs was conducted to determine if the land currently occupied by the housing area had been used for another purpose prior to the construction of the housing. According to a 1950s aerial photograph in a 1957 soil survey, one structure was situated on the land currently occupied by one of the housing units (Building 650). The scale of the aerial photograph prevented a detailed analysis of the structure. However, a map dated 17 April 1943 indicates that this structure is a "Rec and Admin Bldg." Because this structure was situated among dormitories that were present on areas that are currently adjacent to the Dunning Circle Housing Area, it is likely that this structure provided recreational and office uses for the residents of these dormitories. The Dunning Circle Housing Area was acquired by the Air Force from the city of Las Vegas in 1943 (Department of the Air Force, 1980). Most of the Dunning Circle housing was constructed in 1957. One unit (Building 650) was constructed in 1968. The family housing storage unit and the carport were constructed in 1948.

3.2 ENVIRONMENTAL SETTING

This section provides a description of the topographic features, hydrogeologic features, and utility systems for Nellis AFB and the Dunning Circle Housing Area.

3.2.1 Topographic Features

3.2.1.1 Topography.

Nellis AFB is situated within the north portion of the Las Vegas Basin in the southern part of the Las Vegas Valley. The area is characterized primarily by flat alluvial deposits with north-south trending mountain ranges to the north and east. Most of Nellis AFB is relatively flat. Over most of the base, slopes are one percent or less (U.S. Air Force, 1999). The Dunning Circle Housing Area, like the majority of the base, is flat. The elevation of the Dunning Circle Housing Area is approximately 1,880 feet above mean sea level (MSL) (U.S. Department of the Interior, Geological Survey, 1973).

3.2.1.2 Soils.

Soils on the western part of Nellis AFB (Areas I and III) belong to three different soil associations. These are the Glendale-Land, Cave-Goodspring-Las Vegas, and Skyhaven-Spring-Gass associations. The Glendale-Land association consists of very deep loamy soils on nearly level flood plains. These soils are found on the southern part of Area I. The Cave-Goodspring-Las Vegas association consists of shallow and very shallow gravelly and loamy soils on nearly level and gently sloping terraces. Soils are commonly underlain by a hardpan or cemented gravel. These soils are found on the northern part of Area I and in Area III. The Skyhaven-Spring-Gass association consists of shallow to deep loamy and clayey soils on nearly level and gently sloping terraces and shallow soils underlain by hardpan. These soils are found in Area III (U.S. Department of Agriculture, 1967).

Soils in the Dunning Circle Housing Area are mapped as Urban Land. This consists of areas covered by asphalt, concrete, and buildings or other structures (U.S. Department of Agriculture, 1985).

3.2.1.3 Surface Drainage.

Nellis AFB is in the Colorado River Drainage Basin. Natural surface waters and perennial streams do not exist because of low precipitation, high evaporation, and low humidity. Local thunderstorms are intense enough at times to cause flash flooding; however, most precipitation is lost through evaporation and transpiration. No perennial or ephemeral streams, natural lakes, or other open bodies of water, except for manmade impoundments, are found on Nellis AFB (U.S. Air Force, 1999). A portion of the base lies within a 100-year floodplain; the floodplain area is not developed. The Dunning Circle Housing Area is not within a 100-year floodplain (Environmental Data Resources, Inc., 2002).

Surface drainage on Nellis AFB generally flows south on the west portion of the base and southwesterly on the east portion of the base. Most drainage from the base flows through Outfall 001, a concrete channel in the southwest portion of the base. This channel discharges to the Las Vegas Wash at a point approximately 10 miles south of the base. Las Vegas Wash eventually discharges into Lake Mead. Within Outfall 001, a large detention basin collects runoff from the eastern

part of the base. Within the Dunning Circle Housing Area, drainage generally flows in a southerly direction (Montgomery Watson, 2001).

Nellis AFB has a Storm Water Pollution Prevention Plan (SWPPP) (Montgomery Watson, 2001) prepared in accordance with the Nevada General Discharge Permit for Storm Water Discharges Associated With Industrial Activity (Nevada Industrial Storm Water General Permit Number GNV0022233). The permit is administered by the Nevada Division of Environmental Protection. The base is subject to the permit because the base includes facilities where industrial activities occur, as defined by 40 Code of Federal Regulations (CFR) 122.26(b)(14). These activities include hazardous waste treatment, storage, or disposal activities; landfills receiving industrial waste; recycling facilities; transportation facilities; and light industrial facilities. The SWPPP identifies and recommends strategies to control non-storm water discharges (Montgomery Watson, 2001).

3.2.2 Hydrogeologic Features

3.2.2.1 Geology.

Nellis AFB is situated within the Las Vegas Valley, which is a basin in the Basin and Range physiographic province. The Las Vegas Valley is surrounded by mountains composed primarily of sedimentary and volcanic bedrock. The most abundant rock types are limestone and dolomite in the mountains west, north, and east of the valley. The alluvial sediments generally become finer grained from west to east within the valley. These valley fill deposits are estimated to range from 2,000 to 5,000 feet thick beneath Nellis AFB (Black and Veatch, 2001).

3.2.2.2 Groundwater.

The Las Vegas basin contains large groundwater reservoirs. The deep aquifers are pumped for municipal water supplies in most areas of the basin and provide approximately 17 percent of the water supply for the Las Vegas metropolitan area. Groundwater flow in the Las Vegas Valley is generally from east to west. When groundwater reaches the west side of the basin, the flow turns to the south. The groundwater quality in deeper aquifers is generally good, but becomes poorer in the downgradient direction as it accumulates dissolved minerals. As a result, groundwater in the eastern and southern parts of the valley has relatively high levels of total dissolved solids (TDS). In some parts of the valley, a shallow aquifer has developed from excess irrigation and other types of urban runoff. This shallow aquifer has a high level of TDS and is not used for potable water. The shallow aquifer does not occur in the Nellis AFB area (Black and Veatch, 2001).

Beneath the base, groundwater within the deeper aquifers flows from the west and the northwest, and then turns south while moving beneath the southern and eastern parts of the base. Volatile organic compound and nitrate contaminants have been identified in the shallow groundwater at some locations on the base. These contaminants have not been found in the deeper aquifers under the base.

Groundwater elevations in the North Las Vegas area have risen since 1988 because of recharge through injection wells (Black and Veatch, 2001).

3.2.3 Utilities

A brief description of the existing utility systems (i.e., electrical, water, wastewater, natural gas, and solid waste) at Nellis AFB is provided below.

3.2.3.1 Electrical.

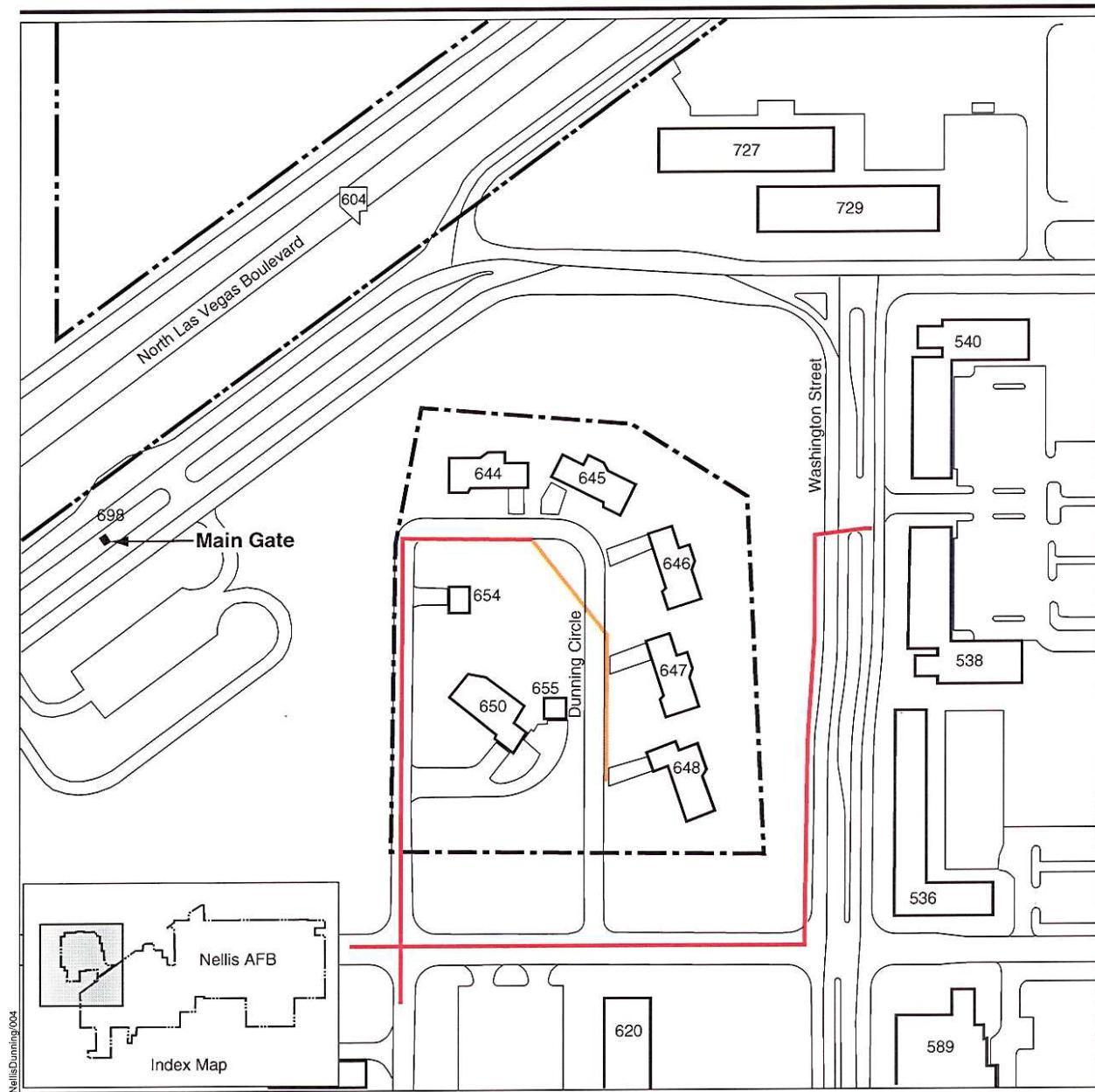
The electrical distribution system at Nellis AFB consists of nine 12.47/7.2-kilovolt (kV) feeders. These feeders are supplied from a base-owned substation, which is itself supplied from a single 69-kV Nevada Power Company incoming primary feed (Headquarters Air Combat Command, 2001). The power is drawn from the Hoover Dam power grid. The base's substation is situated adjacent to the North Gate, which is situated east of the Main Gate on Las Vegas Boulevard. Power is distributed throughout the base via 545,000 linear feet (LF) of overhead cables and 441,000 LF of underground cables. The 69 kV primary power is transformed to 12.47 kV by two 33-megawatt (MW) transformers. The peak recorded load on one transformer has been 23 MW (Higginbotham/Briggs and Associates, 1997).

Nellis AFB, including the Dunning Circle Housing Area, has met the criteria established by the Air Force as being "polychlorinated biphenyl (PCB)-free" (Headquarters Air Combat Command, 1998). However, equipment that contains PCBs may still be present within the installation. Transformers and electrical equipment with PCB concentrations of less than 50 parts per million (ppm) may be present on base.

The electrical distribution system in the Dunning Circle Housing Area is a combination of overhead and underground lines. Power enters the Dunning Circle Housing Area via underground lines from the southwest corner of the housing area. Figure 3-1 depicts the electrical distribution system at the Dunning Circle Housing Area.

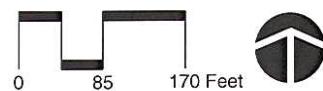
3.2.3.2 Water.

Nellis AFB obtains its potable water supply from two main sources: nine base wells and the Southern Nevada Water Authority (SNWA). A small amount of water is also purchased from the city of North Las Vegas. Recent reports indicated the base average day water demand ranges from 1.6 million gallons per day (MGD) in the winter to 7.0 MGD in the summer. The majority of the increase during the summer is attributed to irrigation. Water storage consists of 7.5 million gallons including both elevated and ground storage tanks. Water distribution lines consist of cast iron, asbestos cement, and polyvinyl chloride (PVC) (Headquarters Air Combat Command, 2001). Within the Dunning Circle Housing Area, the lines are cast iron. There are eight potable water storage tanks on the base with a total capacity of 5 million gallons (Higginbotham/Briggs and Associates, 1997).



EXPLANATION

- Installation Boundary
- 604 State Highway
- Dunning Circle Housing Area Boundary
- Electrical Distribution System (underground)
- Electrical Distribution System (overhead)



Electrical Distribution System, Dunning Circle Housing Area

Figure 3-1

Three of the nine base wells are situated off base, on two Air Force-owned parcels approximately 3.5 miles west of the main base on Craig Road. These parcels are referred to as the Water Wells Annex. Water from the Water Wells Annex is delivered to the base through 5.5 miles of transmission line.

Approximately 2 miles was upgraded from 10 inch to 14 inch when Craig Road was widened. The remaining 3.5 miles is deteriorated and experiencing approximately four breaks each year (Headquarters Air Combat Command, 2001). No water wells are in the Dunning Circle Housing Area. Figure 3-2 depicts the water distribution system at the Dunning Circle Housing Area.

3.2.3.3 Wastewater.

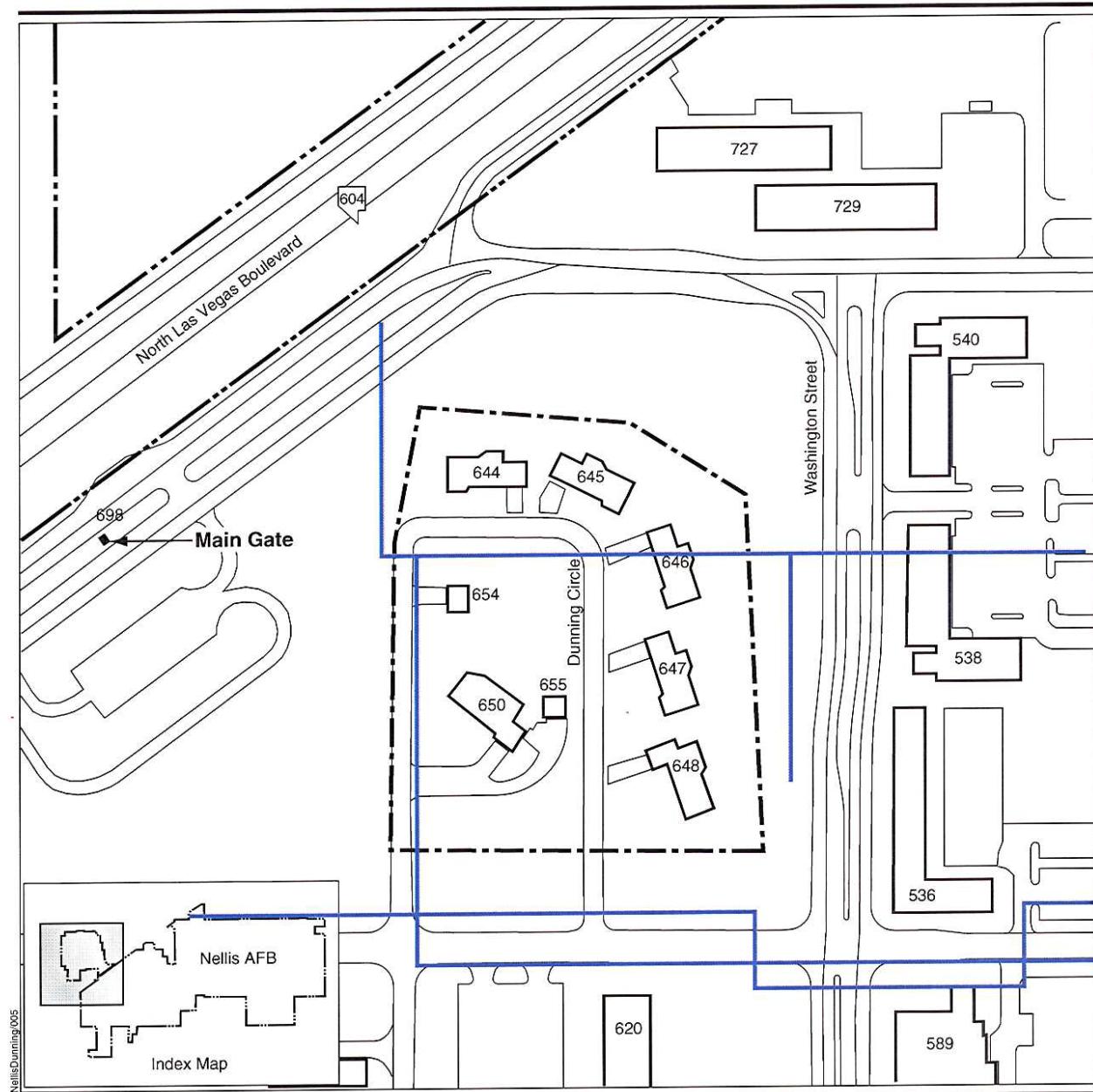
Wastewater from Nellis AFB is discharged to the Clark County Sanitation District (CCSD) for treatment at the wastewater treatment plant. The wastewater system on base, including the Dunning Circle Housing Area, includes 382,000 LF of gravity sewer mains and 12 sewage pumping stations. Piping consists of vitrified clay, concrete, and PVC (Headquarters Air Combat Command, 2001). Within the Dunning Circle Housing Area, the lines are vitrified clay pipe. The base discharges 1.5 MGD of wastewater to the CCSD. Domestic wastewater accounts for 90 to 95 percent of the total discharge from the base. Wastewater from most of the base is discharged to a CCSD line on Nellis Boulevard at Cheyenne Road (Higginbotham/Briggs and Associates, 1997). There are no wastewater pumping stations within the Dunning Circle Housing Area. The sewer mains within the Dunning Circle Housing Area flow to the east and to the south. Figure 3-3 depicts the wastewater system within the Dunning Circle Housing Area.

3.2.3.4 Natural Gas.

Natural gas is provided to Nellis AFB by the Southwest Gas Company via a high pressure transmission line at five locations along Las Vegas Boulevard North (State Highway 604). Lines enter the base just north of the Nellis Terrace Housing Area, along Craig Road at the southeast end of the Manch Manor Housing Area, and at three locations between the Main Gate and North Gate entrances to the base. There are three metering stations near the housing areas: one station at the entrance to the base north of the Nellis Terrace Housing Area, one station at the entrance near the Manch Manor Housing Area, and one station just southwest of the North Gate of the base. The main base has approximately 20 miles of gas mains/laterals lines. The housing areas, which include the Dunning Circle Housing Area, have approximately 19.3 miles of gas lines. The gas distribution system on main base and in the housing areas is owned and operated by the base. All of the gas lines on the main base and the housing areas are polyethylene lines (Headquarters Air Combat Command, 2001). Figure 3-4 depicts the natural gas distribution system at the Dunning Circle Housing Area.

3.2.3.5 Solid Waste.

Solid waste collection and disposal services at Nellis AFB are handled by a private contractor. In addition to municipal waste collection, curb-side pick-up for recyclables, consisting of cardboard, paper, glass, plastics, and aluminum is also

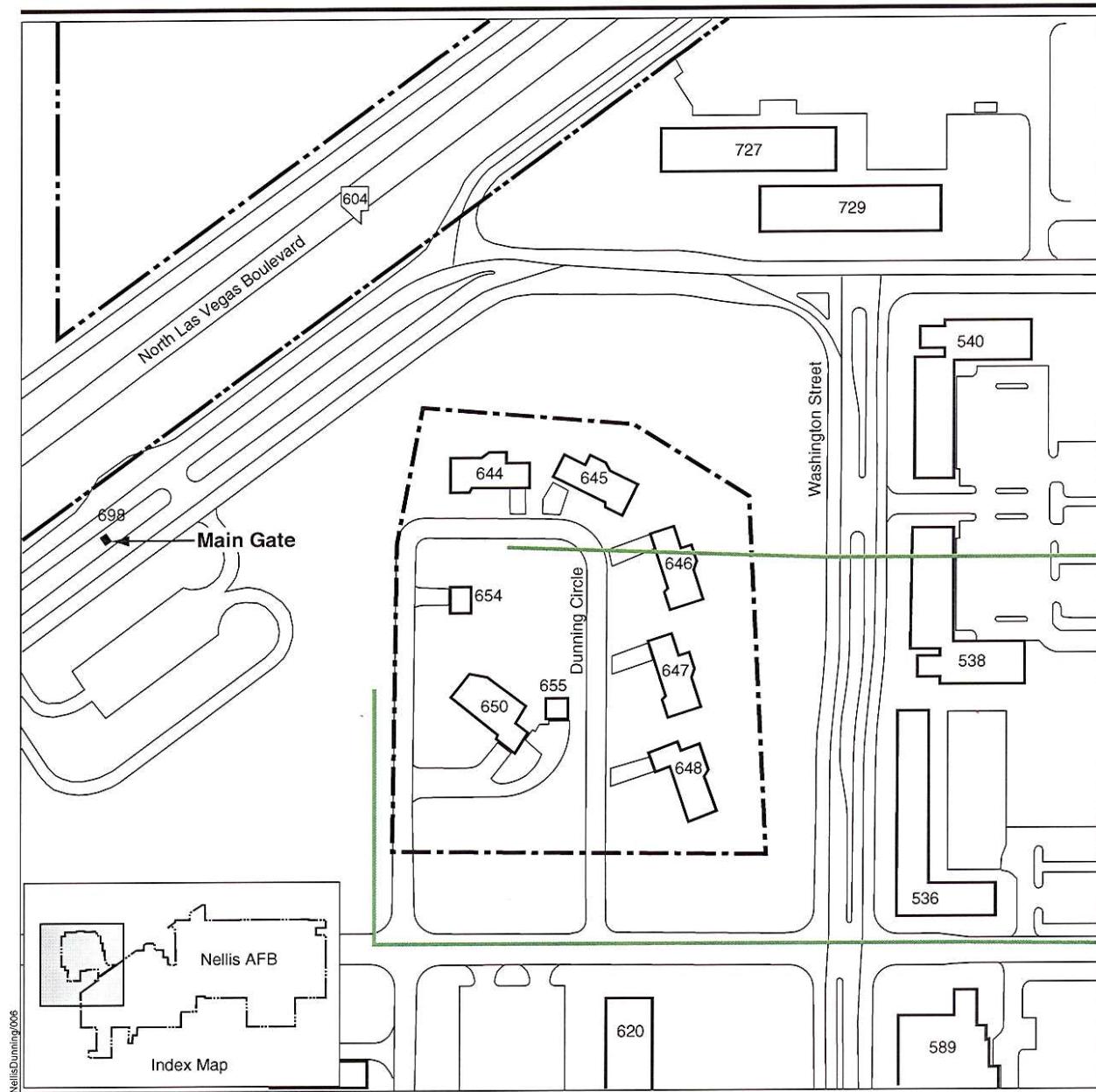


EXPLANATION

- Installation Boundary
- State Highway
- - - Dunning Circle Housing Area Boundary
- Water Distribution System

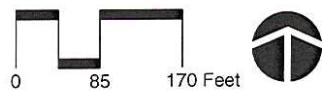
Water Distribution System, Dunning Circle Housing Area

Figure 3-2



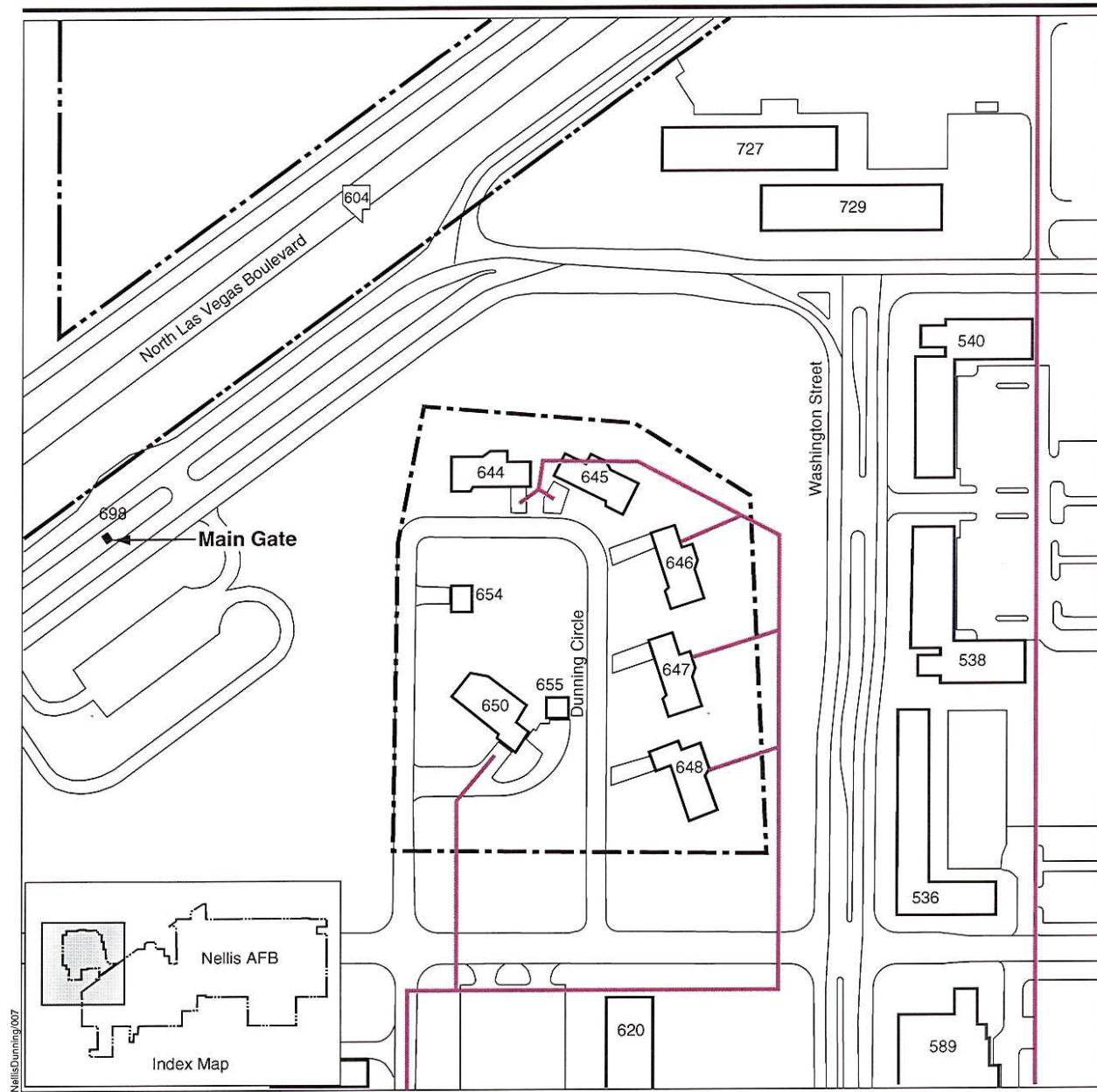
EXPLANATION

- Installation Boundary
- State Highway
- Dunning Circle Housing Area Boundary
- Wastewater System



Wastewater System, Dunning Circle Housing Area

Figure 3-3



Natural Gas Distribution System, Dunning Circle Housing Area



Figure 3-4

provided. There are recycling points throughout Nellis AFB where the contractor collects recyclables from administrative facilities. Municipal solid waste is disposed of at the Apex Regional Landfill, situated 18 miles northeast of Las Vegas, in the Garnet Valley. The facility is a Class I landfill permitted by the Nevada Division of Environmental Protection and is operated by Silver State Disposal Services Inc. The 1,202-acre landfill, which opened in 1993, was designed with a refuse capacity of approximately 784 million cubic yards and a service life of 85 years. It currently processes approximately 6,940 tons per day of municipal solid waste (Nevada Department of Environmental Protection, 2002).

3.3 HAZARDOUS SUBSTANCES

3.3.1 Hazardous Materials and Petroleum Products

Nellis Air Force Base Plan 19-1, Facility Response Plan incorporates the emergency response requirements of the Clean Water Act (CWA), as amended by the Oil Pollution Act of 1990, the Clean Air Act, and RCRA into a single document that is formatted as the U.S. EPA's model facility response plan. It also provides emergency response guidance mandated by the Occupational Safety and Health Administration (OSHA). The plan describes the spill prevention, control, and countermeasures procedures implemented at Nellis AFB and the contingency plan for releases (Nellis Air Force Base, 1999).

Petroleum products typically stored at Air Force installations include motor fuels, POL, solvents, and hydraulic fluid. Household quantities of petroleum products may be stored or utilized by residents within the Dunning Circle Housing Area. There are no buildings within the Dunning Circle Housing Area that store petroleum products.

With the exception of small quantities of household hazardous materials (e.g., paints, thinners, household cleaners) stored by residents within the housing units in the Dunning Circle Housing Area, there are no buildings within the housing area that store hazardous materials. Based upon the methodology presented in Chapter 2.0, no evidence of a release was identified during the VSI and records search; therefore, the Dunning Circle Housing Area land and facilities are considered Category 1 for hazardous materials storage.

3.3.2 Hazardous and Petroleum Wastes

Procedures for management of hazardous waste generated at Nellis AFB are described in the Nellis Air Force Base Plan 12, Hazardous Waste Management Plan (Nellis Air Force Base, 2000a). Hazardous waste is collected at initial accumulation points (IAPs) throughout the base. Waste is then transferred to the 90-day Central Accumulation Site (CAS) in Building 853. Environmental Flight manages the 90-day CAS under the RCRA Part B permit standards. The Defense Reutilization and Marketing Office (DRMO) issues a contract delivery order, and a permitted waste contractor determines the appropriate treatment and disposal options and arranges for a licensed transporter to pick up the waste and transport it to a final disposal site (Nellis Air Force Base, 2000a).

No hazardous waste is stored within the Dunning Circle Housing Area. Small quantities of household hazardous waste may be generated by residents; however, quantities of waste are minimal, and hazardous waste restrictions and regulations for storage and disposal do not apply. Based upon the methodology presented in Chapter 2.0, no evidence of a release of hazardous waste was identified during the VSI and records search for the Dunning Circle Housing Area. Therefore, the land and facilities within the housing area are considered Category 1 for hazardous waste storage.

3.4 INSTALLATION RESTORATION PROGRAM

The Installation Restoration Program (IRP) was established to identify, characterize, and remediate CERCLA/RCRA-related contamination on Air Force installations. The program began with a June 1980 DOD Environmental Quality Program Policy Memorandum (DEQPPM 80-6) requiring identification of past hazardous waste disposal sites. The program was designed to evaluate past disposal sites, control the migration of contaminants, and control potential hazards to human health and the environment. The first major investigation under the IRP was initiated at Nellis AFB in April 1982 (Nellis Air Force Base, 2000b). Since the initiation of the IRP, a name change for the program has been directed. The IRP is now referred to as the ERP, based upon terminology used in AFI 32-7020, *Environmental Restoration Program*, dated February 7, 2001. The term ERP is used throughout this document when discussing the program.

There are no ERP or Area of Concern (AOC) sites within the Dunning Circle Housing Area; therefore, the property is considered Category 1 with respect to ERP/AOCs. ERP/AOCS within ¼ mile of the property are discussed in Section 4.2.1.

3.5 STORAGE TANKS

The following sections describe the findings for storage tanks, including aboveground storage tank (ASTs), day tanks, and USTs, based on the records search and the VSI. The U.S. EPA has issued federal regulations related to USTs in 40 CFR Parts 280 and 112. ASTs are subject to regulation under the CWA (33 U.S.C. Sections 1251-1578) and the Oil Pollution Act (specifically, 40 CFR Part 112). The operation and construction of ASTs is subject to National Fire Protection Association fire codes and the Uniform Fire Code.

Nellis AFB Plan 16, Aboveground Storage Tanks Management Plan (Headquarters Air Warfare Center, 1999) provides guidance and assigns responsibility for managing ASTs in accordance with AFI 32-7044, Storage Tank Compliance. The base also maintains a Facility Response Plan, which establishes responsibilities and provides prevention guidelines, as well as contingency plans, for use in the event of a release.

3.5.1 Aboveground Storage Tanks

No ASTs were identified within the Dunning Circle Housing Area; therefore, the property is considered Category 1 with respect to ASTs.

3.5.2 Underground Storage Tanks

No USTs were identified within the Dunning Circle Housing Area; therefore, the property is considered Category 1 with respect to USTs.

3.5.3 Pipelines, Hydrant Fueling and Transfer Systems

No pipelines, hydrant fueling, or transfer systems are situated within the Dunning Circle Housing Area; therefore, the property is considered Category 1 with respect to pipelines, hydrant fueling, and transfer systems.

3.6 OIL/WATER SEPARATORS

No oil/water separators (OWSs) were identified within the Dunning Circle Housing Area; therefore, the property is considered Category 1 with respect to OWSs.

3.7 PESTICIDES

The pest management program at Nellis AFB utilizes an integrated surveillance and control effort based on the Air Combat Control (ACC) implementation of U.S. Federal Insecticide, Fungicide, and Rodenticide Act, as amended, as implemented by DOD Instruction 4150.7 *DOD Pest Management Program and AFI 32-1053, Pest Management Program*. Pest management procedures are addressed in the *Pest Management Plan* (Nellis Air Force Base, 2000c). The pest management program, as described in the plan, is reviewed annually.

Pest management is the responsibility of the Pest Management Section personnel. Pest management personnel adhere to the pesticide label directions when handling all pesticides. The Pest Management Section provides treatment for all base buildings and housing areas. Pest Management personnel maintain and monitor files of building and home treatments, including chemicals issued by the Facilities Improvement Center, which dispenses pest control supplies to residents through a self-help program.

Pesticides, herbicides, and insecticides are used on the base to control pest populations. Pest management programs include measures to control health-related pests (e.g., mosquitoes, ticks and fleas, bees and wasps, scorpions, spiders, venomous snakes, lice, mites and chiggers); structural pests (e.g., termites, powder post beetles); general household/nuisance pests (e.g., ants, cockroaches, flies); weed pests (e.g., mixed vegetation, turf diseases and weeds); vertebrate pests (e.g., bats, rodents, gophers, feral animals, coyotes, foxes); and bird pests (e.g., pigeons).

No pesticide mixing or storage areas or pesticide releases have been identified within the Dunning Circle Housing Area. According to U.S. EPA and DOD guidance, property is considered uncontaminated even if routine licensed application of pesticides has occurred (U.S. Environmental Protection Agency, 1994).

However, past routine, licensed application of pesticides has resulted in contamination of the soil within the Nellis Terrace Housing Area. Chlordane was formerly applied to the soil around building foundations to control termites. Entomology shop records indicate that chlordane was used in the Nellis AFB family housing areas between 1985 and 1988. Records of usage prior to 1985 are not available. Although all uses of chlordane were banned in 1988, it is a persistent bioaccumulative and toxic chemical that is still present in the soils in the family housing areas. Soil samples collected from the Nellis AFB MFH areas in August 2002 were tested for pesticides. Two samples were collected in the Dunning Circle Housing Area. The pesticides chlordane, dichlorodiphenyl-dichloroethylene (DDE), dichlorodiphenyltrichloroethane (DDT), and dieldrin were detected; however, only dieldrin was detected in concentrations exceeding U.S. EPA Region IX residential Preliminary Remediation Goals (PRGs). In one of the two samples taken, the dieldrin concentration of 0.04 milligrams per kilogram (mg/kg) exceeded the PRG of 0.03 mg/kg. PRGs are guidelines and not regulatory standards.

The presence of these pesticides in the soil is not considered to present a concern under current conditions, unless contaminated soils are disturbed, such as by construction activities. Therefore, the facilities within the housing area are considered Category 1 and the land within the housing area is considered Category 3 with respect to pesticides.

3.8 MEDICAL OR BIOHAZARDOUS WASTE

No medical or biohazardous waste storage or generation locations were identified within the Dunning Circle Housing Area; therefore, the property is considered Category 1 with respect to medical or biohazardous waste.

3.9 ORDNANCE

No ordnance storage locations, small arms ranges, or skeet ranges were identified within the Dunning Circle Housing Area; therefore, the property is considered Category 1 with respect to ordnance.

3.10 RADIOACTIVE WASTE

No generation or storage of radioactive waste was identified within the Dunning Circle Housing Area; therefore, this property is considered Category 1 for radioactive waste.

3.11 SOLID WASTE

No current or former landfills or other solid waste concerns were identified within the Dunning Circle Housing Area; therefore, the property is considered Category 1 with respect to solid waste.

3.12 GROUNDWATER

The Las Vegas basin contains large groundwater reservoirs. The deep aquifers are pumped for municipal water supplies in most areas of the basin, and provide approximately 17 percent of the water supply for the Las Vegas metropolitan area. Groundwater flow in the Las Vegas Valley is generally from west to east. When groundwater reaches the east side of the basin, the flow turns southerly. The groundwater quality in deeper aquifers is generally good, but becomes poorer in the downgradient direction as it accumulates dissolved minerals. As a result, groundwater in the east and south parts of the valley has relatively high levels of TDS. In some parts of the valley a shallow aquifer has developed from excess irrigation and other types of urban runoff. This shallow aquifer has a high level of TDS, and is not used for potable water. This shallow aquifer does not occur in the Nellis AFB area (Black and Veatch, 2001).

Beneath the base, groundwater within the deeper aquifers flows from the west and the northwest, and then turns south while moving beneath the south and east parts of the base. Volatile organic compound and nitrate contaminants have been identified in the shallow groundwater at some locations on the base. These contaminants have not been found in the deeper aquifers under the base. Groundwater elevations in the North Las Vegas area have risen since 1988 because of recharge through injection wells (Black and Veatch, 2001). No areas of groundwater contamination have been identified within the Nellis Terrace Housing Area; therefore, the property is considered Category 1 with respect to groundwater.

3.13 WASTEWATER TREATMENT, COLLECTION, AND DISCHARGE

There are no wastewater pumping stations within the Dunning Circle Housing Area. The sewer mains within the Dunning Circle Housing Area flow to the east and to the south. Figure 3-4 depicts the wastewater system within the Dunning Circle Housing Area. No septic tanks, grease traps, washracks, or silver recovery units were identified within the Dunning Circle Housing Area. No wastewater discharge concerns have been identified within the Dunning Circle Housing Area; therefore, the property is considered Category 1 with respect to wastewater treatment collections and discharge.

3.14 DRINKING WATER QUALITY

Approximately 78 percent of the water used by Nellis AFB is supplied by the SNWA. The remainder of the water comes from on-base wells, except for a small amount of water the hospital and the east side of the base receive from the city of North Las Vegas. SNWA water is treated before it is provided to the base. The base's well water is chlorinated and then mixed with the SNWA water. SNWA performs testing of water quality and provides the results to Bioenvironmental Engineering. Sampling results indicate that the drinking water on base meets the Safe Water Drinking Act requirements. Therefore, drinking water quality within the Nellis Terrace Housing Area is not a concern.

3.15 ASBESTOS-CONTAINING MATERIALS

ACM and ACM abatement are regulated by the U.S. EPA and OSHA. In 1994, the Galson Corporation conducted an ACM survey of one of each housing type on Nellis AFB. This survey included housing units within the Dunning Circle, Nellis Terrace, and Manch Manor housing areas and included a total of 37 units. The survey team evaluated a total of 282 materials suspected of containing asbestos. Of these 282 materials, 128 were either confirmed to be ACM or assumed to be ACM. These 128 materials included floor tiles, sheet linoleum flooring, textured acoustical ceiling material, sheetrock joint compound, wall coating, pipe insulation, mechanical equipment insulation, transite, and roofing materials. The field survey team collected a total of 665 samples; 156 of these samples were found to be positive or assumed to be positive. The material with the highest percent positive rate was a trowelled-on insulation found under the kitchen sinks in base housing. The survey report noted that no imminent danger situations were encountered during the survey (Galson Corporation, 1994). The building-by-building results of the survey were not available. Based on the information present in text of the survey report, it is assumed that all facilities (six housing units, one family housing storage unit, and one carport) have the potential to contain ACM. An additional asbestos survey was conducted in the Dunning Circle Housing Area in 1993/1994. No ACM was identified in the areas sampled for this survey (99th Civil Engineering Squadron, 2002).

3.16 POLYCHLORINATED BIPHENYLS

The disposal of PCBs is regulated under the federal Toxic Substances Control Act (TSCA) (15 U.S.C. Section 2601, et seq., as implemented by 40 CFR Part 761), which banned the manufacture and distribution of PCBs, with the exception of PCBs used in enclosed systems. By federal definition, PCB equipment contains 500 ppm PCBs or more, whereas PCB-contaminated equipment contains PCB concentrations equal to or greater than 50 ppm, but less than 500 ppm. TSCA regulates and the U.S. EPA enforces the removal and disposal of all sources of PCBs containing 50 ppm or more; the regulations are more stringent for PCB equipment than for PCB-contaminated equipment.

As mentioned in section 3.2.3.1, Nellis AFB (including the Dunning Circle Housing Area) has met the criteria established by the Air Force as being "PCB-free" (Headquarters Air Combat Command, 1998). Transformers containing concentrations of PCBs greater than 50 ppm have been removed from Nellis AFB. Although Nellis AFB is considered "PCB-free," equipment that contains PCBs may still be present within the installation. PCBs may be present in ballasts of older light fixtures; some transformers with PCB concentrations of less than 50 ppm are also present on base. While not defined as PCB equipment or PCB-contaminated equipment, these items could leak or spill and result in a release of PCBs. No PCB spills have been identified within the Dunning Circle Housing Area.

3.17 RADON

Radon is a naturally occurring, colorless, and odorless radioactive gas produced by radioactive decay of naturally occurring uranium. Radon that is present in soil can enter a building through small spaces and openings, accumulating in enclosed areas such as basements. There are no federal or state standards regulating radon exposure at the present time.

Air Force policy requires implementation of the Air Force Radon Assessment and Mitigation Program (RAMP) to determine levels of radon exposure to military personnel and their dependents. The U.S. EPA recommends implementing methods to reduce radon levels in homes where levels are 4 picocuries (pCi/l) or higher.

The RAMP initial screening was performed in 1987/1988. Preliminary sampling was conducted at randomly selected MFH units, dormitories, and child care centers. None of the Dunning Circle housing units was included in this initial radon screening. Only two MFH units in the Nellis Terrace Housing Area exceeded the Air Force-recommended action level of 3.5 pCi/l. Based on the results of the initial screening, Nellis AFB was determined to be a "medium-risk" installation for the occurrence of radon. Based on these initial screening results, Nellis AFB performed a detailed assessment of radon in housing units in 1990/1991. A total of 23 units with radon levels above the statistically adjusted threshold value of 3.3 pCi/l were identified in the Nellis Terrace and Manch Manor housing areas; nine of the units tested in Dunning Circle had radon levels exceeding this value. These housing units with elevated radon readings were abated and resampled in 1993/1994. For all but two units the mitigation was successful in reducing radon levels to less than 4 pCi/l (Department of the Air Force, 1994). However, the remaining MFH units have either not been sampled or do not have acceptable sample readings available (i.e., test units were removed before sample results were read and reported). Radon levels within these housing units are not known. Based on these findings, radon could be a potential concern at housing units that have not been sampled or do not have acceptable sample results available. Therefore, radon is a potential concern within the Dunning Circle Housing Area.

The U.S. EPA has prepared a map of radon zones for the United States that assigns each county to one of three zones based on radon potential. Predicted indoor radon levels are highest in Zone 1 and lowest in Zone 3. Clark County, Nevada, is designated as a Zone 3 county. Predicted average indoor radon levels in Zone 3 areas are less than 2 pCi/L. However, radon potential within a county can vary (U.S. Environmental Protection Agency, 2002).

3.18 LEAD-BASED PAINT

Human exposure to lead has been determined an adverse health risk by agencies such as OSHA and the U.S. EPA. Sources of exposure to lead are dust, soils, and paint. In 1973, the Consumer Product Safety Commission (CPSC) established a maximum lead content in paint of 0.5 percent by weight in a dry film of newly applied paint. In 1978, under the Consumer Product Safety

Act (Public Law [P.L.] 101-608, as implemented by 16 CFR Part 1303), the CPSC lowered the allowable lead level in paint to 0.06 percent. This Act also restricted the use of LBP in nonindustrial facilities. DOD implemented a ban of LBP use in 1978; however, it is possible that facilities constructed prior to or during 1978 may contain LBP.

An LBP study of Nellis AFB MFH units, the child care center, and youth center was conducted by the Galson Corporation in 1994. A total of 169 housing units were included in the survey; 5 units on Dunning Circle, 108 in Manch Manor, and 56 in Nellis Terrace. The survey found that approximately 67 percent of the surveyed housing units tested positive for LBP in at least one surveyed component. Of the Dunning Circle housing units, Building 648 was not accessed for the LBP survey. Of the remaining 5 units on Dunning Circle, LBP was found on Buildings 644, 645, 647, and 650. No LBP was detected on Building 646. Components that tested positive included exterior wood trim on Building 644, shelves in the living room of Building 645, sheetrock walls in the kitchen in Building 647, and wood soffits and the wood ceiling of the garage at Building 650 (Galson Corporation, 1994). Based on the results of the surveys, it is expected that the remaining housing unit (Building 648) and the family housing storage unit contain LBP.

The results of soil sampling previously conducted in the Manch Manor Housing Area in 1996 indicated that lead levels in all soil samples were well below the Housing and Urban Development (HUD) level of concern of 400 ppm (Confidential Compliance Consultants, 1996). Based on these results, lead levels in the soil at the Dunning Circle Housing Area are also not expected to exceed the HUD level of concern.

THIS PAGE INTENTIONALLY LEFT BLANK

4.0 ADJACENT PROPERTY FINDINGS

For the purpose of this EBS, adjacent properties are defined as (1) property adjacent to the Dunning Circle Housing Area boundaries (i.e., having a contiguous border) and (2) off-base property within 1 mile of the Dunning Circle Housing Area with potential environmental concerns identified through the agency records search.

The database search and visual inspection of the identified properties focused on those environmental factors (e.g., USTs, hazardous materials handling practices) that could result in potential contamination of the property associated with the Dunning Circle Housing Area from activities occurring on the adjacent property.

4.1 LAND USES

The inspection of adjacent property involved visual surveys from base property or public roadways and a review of recent aerial photographs. All properties adjacent to the Dunning Circle Housing Area are base property.

4.2 SURVEY OF ADJACENT PROPERTIES

4.2.1 On-Base Properties

Two ERP sites (FT-18 and ST-45) are situated within 1/4 mile of the Dunning Circle Housing Area property.

ERP Site FT-18 (Fire Training Area) is the site of a reported fire training area. The site is suspected to be situated under the parking lot of the commissary (Building 603). The report of the site was not substantiated, and no evidence of its exact location could be found. If a release of materials from ST-18 had occurred, the contaminants would be monitored as part of the groundwater monitoring at ERP Site ST-45 (see below), which is situated down gradient of the reported fire training area. The site has been recommended for closure (Department of the Air Force, 2000).

ERP Site ST-45 (Fuel Spill) was formerly designated as AOC 1. It is situated at the car care center (Building 606) on the northwest corner of Rickenbacker Road and Washington Boulevard, approximately 1,200 feet south of the Dunning Circle Housing Area. USTs containing fuel for the gasoline station were originally installed in 1962. The USTs were abandoned when new USTs were installed in 1976. In 1993, during removal of the 1976 USTs, subsurface contamination was discovered. Investigations of soil and groundwater were initiated in 1993, and groundwater monitoring has been ongoing since 1997. A soil vapor extraction system to remediate gasoline-contaminated soils at the site and a biosparging system to remediate gasoline-contaminated groundwater have been installed at the service station (Department of the Air Force, 2001).

Although the area of contamination extends within the 1/4 mile radius of the Dunning Circle Housing Area, it does not affect the Dunning Circle Housing Area property. Based on the location of these sites and ongoing remediation of contamination, the sites are not expected to prohibit lease of the property or transfer of the housing units. The ERP sites have not affected, and are not anticipated to affect, the Dunning Circle Housing Area property. The ERP sites within 1/4 mile of the Dunning Circle Housing Area are summarized in Table 4-1 and shown on Figure 4-1.

Table 4-1. ERP Sites within 1/4 Mile of the Dunning Circle Housing Area

Site ID	Description	Material Disposed	Dates of Operation	Status
ERP Site FT-18	Fire Training Area	Suspected former fire training area	Unknown	Report unsubstantiated; site recommended for closure
ERP Site ST-45	Fuel Spill	Fuel spill	1962-1976	Soil vapor extraction system and biosparging system installed to remediate gasoline-contaminated soil and groundwater

ERP = Environmental Restoration Program

Source: Department of the Air Force, 2000, 2001.

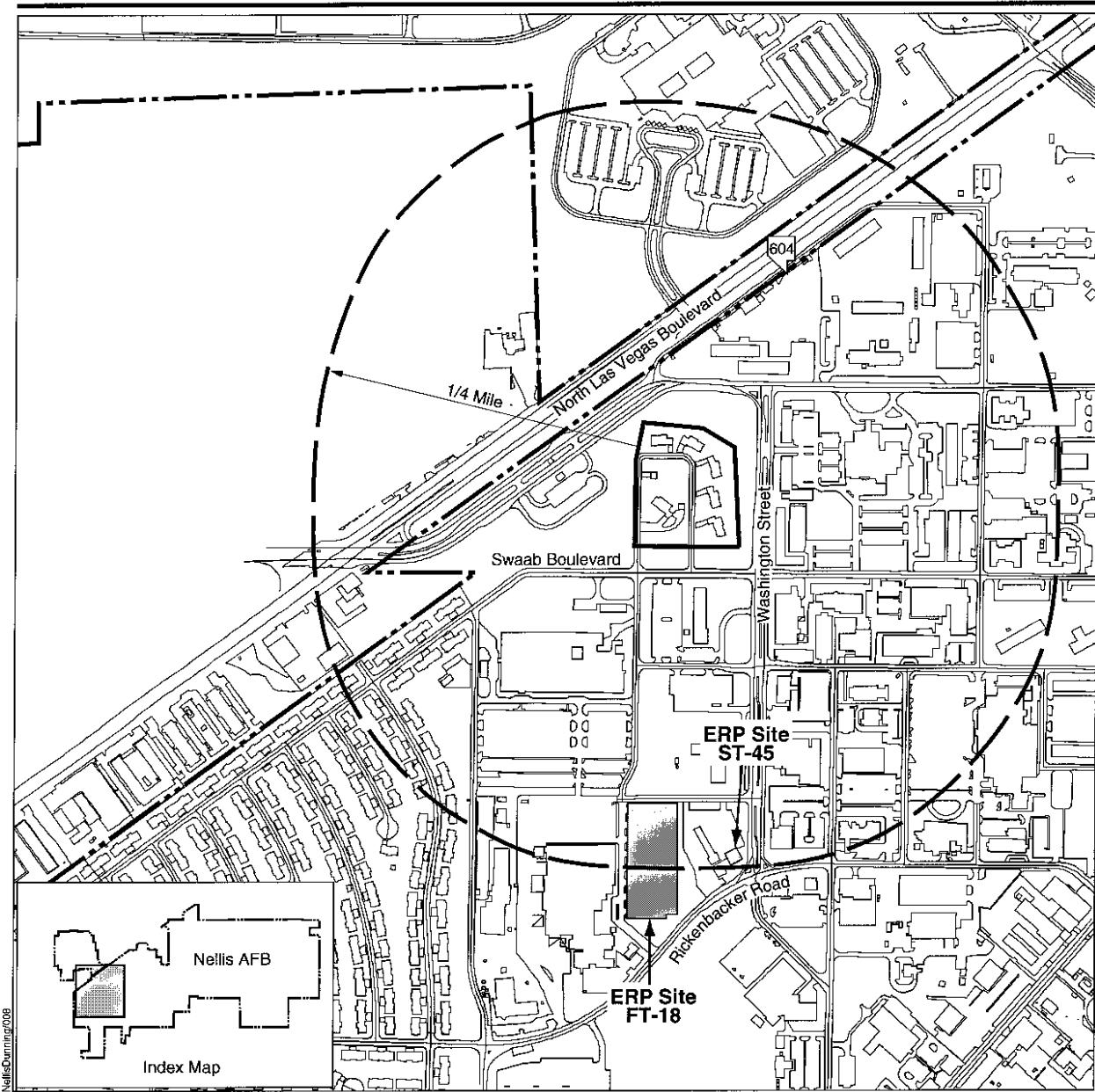
4.2.2 Off-Base Properties

The records search of adjacent properties conducted for this EBS did not identify any areas where off-base activities may have resulted in contamination of the Dunning Circle Housing Area.

4.3 DATABASE SEARCH

Records maintained by federal and state agencies were searched to identify reported sites storing hazardous materials and/or generating hazardous waste in the vicinity of the Dunning Circle Housing Area. These records included locations of facilities with USTs, facilities with leaking USTs, and uncontrolled or abandoned hazardous waste sites. The agency records search consisted of a review of computerized federal and state environmental compliance databases.

The search of federal and state databases was performed in February 2002 for the Dunning Circle Housing Area (Environmental Data Resources, Inc., 2002) (Appendix F). A list and description of the databases included in the search is presented in Table 4-2. Distances searched for each database are also provided. These databases were investigated with due diligence based on the minimum search distances recommended by the American Society for Testing and Materials guidelines for conducting Phase I site assessments (American Society for Testing and Materials, 2000). A summary of database sites identified adjacent to the Dunning Circle Housing Area is provided in Table 4-2. A total of



EXPLANATION

- Installation Boundary
- State Highway
- Dunning Circle Housing Area Boundary
- 1/4 Mile Quantity Distance
- ERP/AOC Sites



**ERP/AOC Sites
Within 1/4 mile of the
Dunning Circle Housing
Area**

Figure 4-1

Table 4-2. Federal and State Databases
Page 1 of 2

Database	Description	Search Distance (miles)
Federal Databases		
National Priorities List (NPL)	A U.S. Environmental Protection Agency (EPA) listing of uncontrolled or abandoned hazardous waste sites. The list, also known as the Superfund List, is primarily based on a score that the site receives from the U.S. EPA's Hazardous Ranking System. These sites are targeted for possible long-term remedial action under the Superfund Act.	1.0
Comprehensive Environmental Response, Compensation, and Liability Information System (CERCLIS)	A compilation of known and suspected uncontrolled or abandoned hazardous waste sites. These sites have been or are being investigated by the EPA for the release or threatened release of hazardous substances. Once a site is placed on CERCLIS, it may be subjected to several levels of review and evaluation and ultimately placed on the NPL.	0.5
PCB Activity Database System (PADS)	PADS identifies generators, transporters, commercial stores, and/or brokers and disposers of PCBs who are required to notify the U.S. EPA of such activities.	1.0
Hazardous Materials Information Reporting System (HMIRS)	The HMIRS database contains information regarding hazardous materials spill incidents that were reported to the Department of Transportation.	---
Toxic Release Inventory System (TRIS)	The TRIS database contains information on the individual release and/or transfer of toxic chemicals.	---
Resource Conservation and Recovery Information System (RCRIS) Treatment, Storage, and Disposal (TSD) Facilities	A database containing information pertaining to those facilities that treat, store, or dispose of hazardous waste.	1.0
RCRIS Large-Quantity Generator (RCRIS-LQG)	A database of information pertaining to those facilities that either generate more than 1,000 kilograms of hazardous waste per month or meet other applicable requirements of the Resource Conservation and Recovery Act (RCRA).	0.125
RCRIS Small-Quantity Generator (RCRIS-SQG)	A database of information pertaining to those facilities that generate between 100 and 1,000 kilograms of hazardous waste per month or meet other applicable requirements of RCRA.	0.125
RCRA Administrative Action Tracking System (RAATS)	A database that contains records based on enforcement actions issued under RCRA pertaining to major violators and includes administrative actions brought by the U.S. EPA.	1.0
Facility Index System (FINDS)	A U.S. EPA database containing both facility information and pointers to other sources of information that contain more detail.	1.0

Table 4-2. Federal and State Databases
Page 2 of 2

Database	Description	Search Distance (miles)
Federal Databases (Continued)		
FIFRA/TSCA Tracking System (FTTS)	A database that tracks administrative cases and pesticide enforcement actions and compliance activities related to FIFRA, TSCA, and EPCRA.	---
Corrective Action (CORRACTS)	A database of RCRA facilities undergoing "corrective action." A "corrective action order" is issued pursuant to RCRA Section 3008(h) when there has been a release of hazardous waste or constituents into the environment from an RCRA facility. Corrective actions may be required beyond the facilities boundary and can be required regardless of when the release occurred, even if it predates RCRA.	1.0
Emergency Response Notification System (ERNS)	A database used to collect information on reported releases of oil and hazardous substances. The database contains information from spill reports made to federal authorities including the U.S. EPA, the U.S. Coast Guard, the National Response Center, and the Department of Transportation.	0.125
State Databases		
Underground Storage Tanks (UST)	A database of information on USTs containing petroleum products registered with the Nevada Department of Conservation and Natural Resources.	0.25
Leaking Underground Storage Tanks (LUST)	A database of information on those USTs for which a leak has been reported to the Nevada Department of Conservation and Natural Resources.	0.5
Aboveground Storage Tanks (AST)	A database of information on ASTs containing petroleum products registered with the Nevada Department of Conservation and Natural Resources.	0.25
Solid Waste Facilities/Landfill Sites (SWF/LF)	An inventory of solid waste disposal facilities or landfills maintained by the Nevada Department of Conservation and Natural Resources. These sites may be active or inactive facilities.	0.5
State Hazardous Waste Sites (SHWS)	SHWS records are the state equivalent of CERCLIS. These sites may or may not also be listed on the federal CERCLIS list. This database identifies sites planned for cleanup using state funds and sites where cleanup will be paid for by potentially responsible parties.	1.0
Facility and Manifest Data (HAZNET)	A database of information extracted from copies of hazardous waste manifests received each year by the California Department of Toxic Substances Control.	0.25

--- = no specific search distance specified

Table 4-3. Database Sites – Dunning Circle Housing Area
Page 1 of 2

ID Number	Name	Address	Type of Site ^(a)
1	CA LNEV Pipeline Company	5049 N. Sloan Lane Las Vegas, NV 89115	FINDS RCRIS-LQG UST CA HAZNET SHWS ERNS
2	Former TEXACO Site – Las Vegas Storage Terminal	5049 N. Sloan Lane Las Vegas, NV 89115	UST
3	Equilon Las Vegas Sales Terminal	5049-B N. Sloan Lane Las Vegas, NV 89115	FINDS RCRIS-LQG
4	IX Rebel Oil Company	5054 N. Sloan Lane Las Vegas, NV 89115	HAZNET
5	Phillips Petroleum Company – Las Vegas Terminal	5054 N. Sloan Lane Las Vegas, NV 89115	FINDS RCRIS-LQG
6	CALVEV Pipeline Company/TEXACO	5056 N. Sloan Lane Las Vegas, NV 89115	SHWS
7	Nevada Recycling, Inc.	5000 Range Road Las Vegas, NV 89115	SHWS
8	Silver Dollar Recycling	5000 Range Road Las Vegas, NV 89115	UST
9	Fredrickson Tank Lines	4915 N. Sloan Lane Las Vegas, NV	SHWS
10	Chevron Las Vegas Terminal #1001744	4950 N. Sloan Lane Las Vegas, NV 89115	UST ERNS
11	Drive a Junk	4465 N. Las Vegas Boulevard Las Vegas, NV 89115	RCRIS-SQG FINDS
12	Immerson Dry Cleaners	4350 Las Vegas Las Vegas, NV 89115	FINDS RCRIS-LQG
13	7-Eleven #18198	4395 N. Las Vegas Boulevard Las Vegas, NV	LUST UST
14	Sprint Central Telephone	4243 N. Las Vegas Boulevard North Las Vegas, NV 89115	SHWS UST
15	Gas N Let	4180 Las Vegas Boulevard North Las Vegas, NV 89115	UST
16	Nellis AFB, Facility #61647	4551 Devlin Drive Nellis AFB, NV 89191	UST
17	Nellis AFB, Facility #940	4551 Devlin Drive Nellis AFB, NV 89191	UST
18	Nellis AFB, Facility #890	4551 Devlin Drive Nellis AFB, NV 89191	UST
19	Nellis AFB, Facility #10322	4551 Devlin Drive Nellis AFB, NV 89191	UST

Table 4-3. Database Sites – Dunning Circle Housing Area
Page 2 of 2

ID Number	Name	Address	Type of Site ^(a)
20	Nellis AFB, Facility #2000	4551 Devlin Drive Nellis AFB, NV 89191	UST
21	Nellis AFB, Facility #2060	4551 Devlin Drive Nellis AFB, NV 89191	UST
22	Nellis AFB	4551 Devlin Drive Nellis AFB, NV 89191	UST SHWS ERNS
23	Nellis AFB, Facility #831	4551 Devlin Drive Nellis AFB, NV 89191	UST
24	Nellis AFB, Facility #490	4551 Devlin Drive Nellis AFB, NV 89191	UST
25	Nellis AFB, Facility #606	4551 Devlin Drive Nellis AFB, NV 89191	UST
26	Nellis AFB, Facility #460	4551 Devlin Drive Nellis AFB, NV 89191	UST
27	Nellis AFB, Landfill #4	4551 Devlin Drive Nellis AFB, NV 89191	SWF/LF
28	Nellis AFB, Facility #939	4551 Devlin Drive Nellis AFB, NV 89191	UST
29	Nellis AFB, Facility #941	4551 Devlin Drive Nellis AFB, NV 89191	UST ERNS
30	Nellis AFB, Facility #814	4551 Devlin Drive Nellis AFB, NV 89191	UST
31	Nellis AFB Facility #2814	4551 Devlin Drive Nellis AFB, NV 89191	UST
32	Nellis AFB, Building 8H	4551 Devlin Drive Nellis AFB, NV 89191	ERNS
33	Nellis AFB, East Side of Runway	4551 Devlin Drive Nellis AFB, NV 89191	ERNS
34	Nellis AFB Auto Hobby Shop, Facility 840	Facility 840 Nellis AFB, NV 89191	RCRIS-SQG FINDS
35	Nellis AFB, Facility 448	Facility 448 Nellis AFB, NV 89191	RCRIS-LQG
36	Ford Aerospace	Area 3, Building 1020 Nellis AFB, NV 89191	RCRIS-SQG
37	Nellis AFB, Aircraft Parking Apron	Aircraft Parking Apron Nellis AFB, NV 89191	ERNS
38	Nellis AFB, Tarmac	Tarmac Nellis AFB, NV 89191	ERNS
39	Nellis AFB FWC/EV	Nellis AFB Nellis AFB, NV 89191	ERNS
40	Nellis AFB, Facility 810	Facility 810 Nellis AFB, NV 89191	ERNS

Note: (a) Refer to Table 4-1 for list of databases searched to identify type of site.

40 adjacent sites were identified within the respective search area for the databases (Figure 4-1). A breakdown of the sites identified is listed below:

Federal Database

- Resource Conservation and Recovery Information System Small Quantity Generator (RCRIS-SQG): Three RCRIS-SQG sites were identified.
- RCRIS Large Quantity Generator (RCRIS-LQG): Five RCRIS-LQG sites were identified.
- Facility Index System (FINDS): Six FINDS sites were identified in the U.S. EPA database that provides facility specific information and sources of other available data.
- Emergency Response Notification System (ERNS): Ten sites had ERNS records for reported releases of oil and hazardous substances.

State Database

- USTs: Twenty-two sites have USTs registered with the Nevada Department of Conservation and Natural Resources (DCNR).
- Leaking Underground Storage Tanks (LUST): One of the 23 UST sites had reported LUSTs.
- Solid Waste Facilities/Landfill Sites (SWF/LF): One landfill was identified.
- State Hazardous Waste Site (SHWS): Six SHWS sites were identified where clean-up activities are planned.
- Facility and Manifest Data (HAZNET): Two sites are listed as having generated hazardous waste requiring proper disposal.

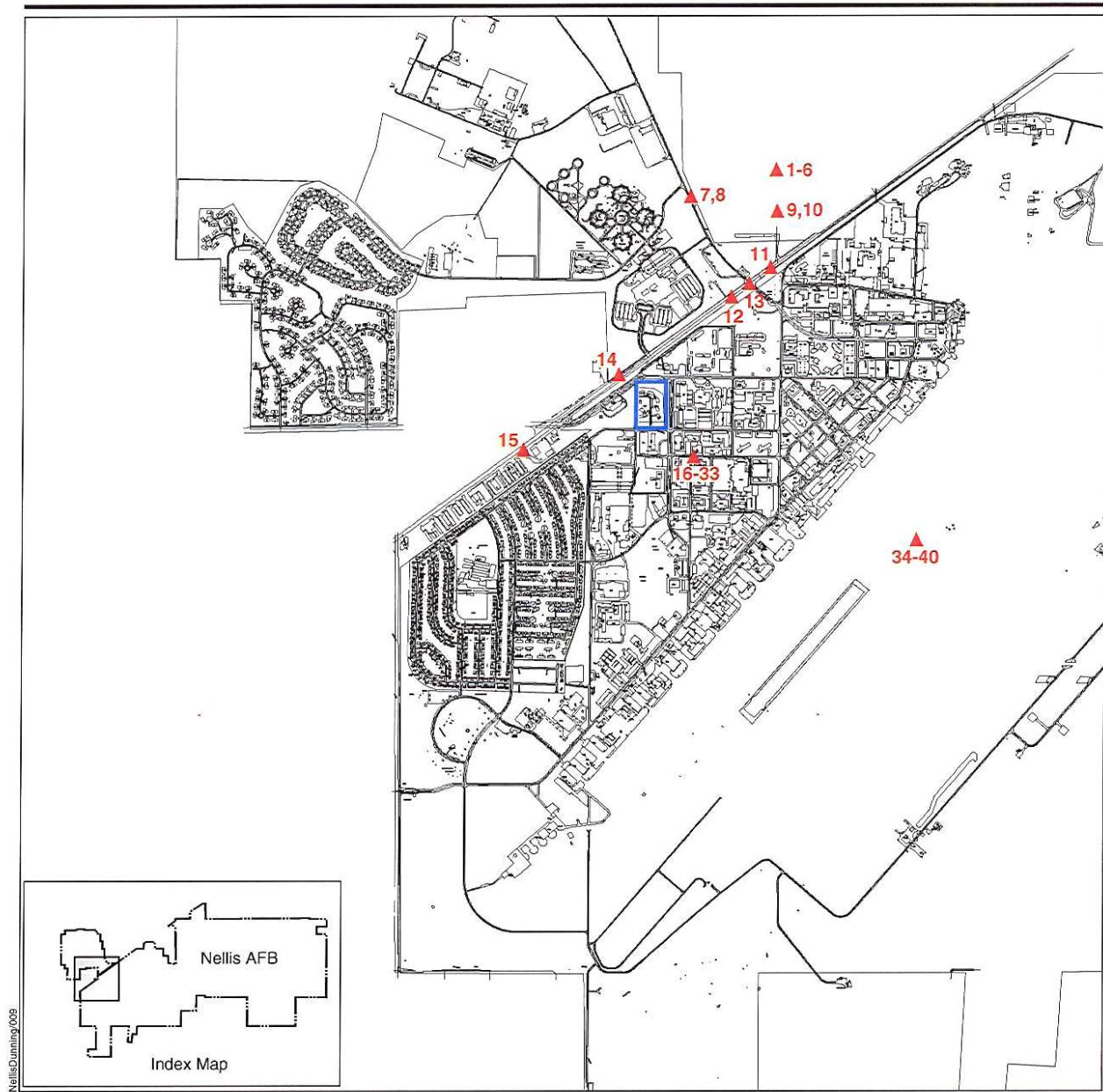


Figure 4-2

5.0 APPLICABLE REGULATORY COMPLIANCE ISSUES

5.1 LIST OF COMPLIANCE ISSUES

There are no ERP sites or AOCs on the Dunning Circle Housing Area property; therefore, no CERCLA compliance issues are known to be present on the subject property.

5.2 DESCRIPTION OF CORRECTIVE ACTIONS

No corrective actions have been identified for the Dunning Circle Housing Area property.

5.3 ESTIMATES OF VARIOUS ALTERNATIVES

This section not used.

THIS PAGE INTENTIONALLY LEFT BLANK

6.0 CONCLUSIONS

6.1 FACILITY MATRIX

Facilities within the Dunning Circle Housing Area were inventoried and assessed to identify specific facility characteristics and potential environmental concerns. There are a total of six housing units and one family housing storage unit within the Dunning Circle Housing Area. A VSI of one representative housing unit was conducted to verify characteristics or features identified during the records search and to identify other environmental concerns. A list of facilities considered in this EBS summarizing key characteristics and facility-specific information is presented in Table 6-1. The information presented in Table 6-1 was derived from the Real Property Accountable Records, information from Civil Engineering personnel, and from the information presented in Chapter 3.0 of this report.

Land and facilities within the Dunning Circle Housing Area were classified into categories based on the findings of this EBS. Land and facilities were categorized independently of each other because of the different real estate transactions associated with each. The ownership of the land will be retained by the Air Force and leased to a private contractor; the facilities will be transferred by deed to the contractor. Specific property categorization for facilities within the Dunning Circle Housing Area is presented in table 6-1.

6.2 PROPERTY CATEGORIES

Areas where no past or present release or disposal of hazardous or petroleum substances were identified are considered to be Category 1. Category 2 through 7 properties were identified based upon the methodology presented in Chapter 2.0. The Dunning Circle Housing Area facilities are considered Category 1. The Dunning Circle Housing Area land is considered Category 3 because of the presence of pesticides in the soil, as discussed in Section 3.7. No Category 2, 4, 5, 6, or 7 property was identified.

6.3 RESOURCES MAP

No resource factors have been identified within the Dunning Circle Housing Area property; therefore, a resources map has not been included in this EBS.

6.4 DATA GAPS

VSI's were not conducted for all facilities within the Dunning Circle Housing Area. A representative residential unit received a VSI.

Facility-specific ACM and LBP survey findings were not available. Therefore, facility-specific findings for ACM and LBP cannot be presented in this EBS.

Table 6-1. Dunning Circle Housing Area - Facility/Property Matrix - Nellis AFB

Facility ID (Housing Unit Address)	Year of Construction	Square Footage (gross)	ERP/AOC Site	Hazardous Material/Waste	Storage Tanks/OWSs/Septic Tanks			ACM ^(a)	Lead-Based Paint ^(a)	Comments	Property Category ^(b)
					Type	Content	Capacity (gallons)				
644 Family Housing Appropriated FY 1950-1969	1957	2,068						U	Y	VSI conducted in May 2002	1
645 Family Housing Appropriated FY 1950-1969	1957	2,036						U	Y		1
646 Family Housing Appropriated FY 1950-1969	1957	2,068						U	N		1
647 Family Housing Appropriated FY 1950-1969	1957	2,068						U	Y		1
648 Family Housing Appropriated FY 1950-1969	1957	1,997						U	X		1
650 Family Housing Appropriated FY 1950-1969	1968	3,173						U	Y		1
654 Family Housing Storage, Detached	1948	550						U	X		1
655 Family Housing Carport, Detached	1948	538						U	X		1

Notes: (a) Data are for disclosure purposes only and do not impact the property categorization. Only a representative sample of housing units have been surveyed for asbestos-containing material and lead-based paint. However, based on the limited surveys, it is probable that all existing housing units contain asbestos and lead-based paint.

(b) Pesticide contamination of soil (Category 3) does not affect facilities.

ACM = asbestos-containing material

AOC = Area of Concern

ERP = Environmental Restoration Program

FY = Fiscal Year

N = No ACM or LBP, as appropriate, has been identified or is suspected within facility

OWS = oil/water separator

U = unknown status

X = Facility was constructed prior to or during 1978 and assumed to contain LBP

Y = ACM or LBP, as appropriate, has been identified or is suspected within facility

7.0 RECOMMENDATIONS

Because of the presence of persistent pesticides in the soil in the family housing areas, as discussed in Section 3.7, in the event the property recipient excavates soils where pesticides were applied, the property recipient would be responsible for conducting any additional sampling and health screening to determine levels of worker safety, potential exposure levels of excavated soils retained on site, and to properly characterize and manage the soil in accordance with federal and state regulations. Soil sampling and analysis may indicate that pesticides, including chlordane, dieldrin, and heptachlor, persist in the soil beneath and surrounding the existing structures in concentrations above U.S. EPA residential PRGs.

THIS PAGE INTENTIONALLY LEFT BLANK

8.0 CERTIFICATIONS

8.1 CERTIFICATION OF THE ENVIRONMENTAL BASELINE SURVEY

CERTIFICATION OF THE DUNNING CIRCLE HOUSING AREA ENVIRONMENTAL BASELINE SURVEY

Earth Tech has conducted this Environmental Baseline Survey on behalf of the Air Force. Earth Tech has reviewed all appropriate records made available, and conducted visual site inspections of the selected facilities following an analysis of information during the record search. The information contained within the survey report is based on records made available and, to the best of Earth Tech's knowledge, is correct and current as of November 2001.

Certified by:



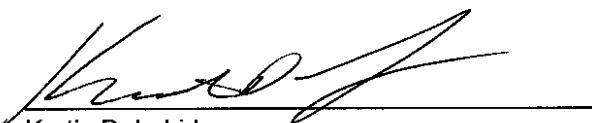
Carl Rykaczewski, R.E.A. I
California Registered Environmental Assessor No. 07598
Earth Tech, Inc.

10 Dec 2003

Date

In October 2003, I inspected the Manch Manor, Nellis Terrace, and Dunning Circle housing areas. These site visits confirm that conditions have not changed since the original collection of data by Earth Tech, Inc., in November 2001.

Approved by:



Kurtis D. Lohide
Colonel, USAF
Vice Commander

1/21/04

Date

8.2 CERTIFICATION OF CONTAMINATION OR NO CONTAMINATION

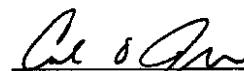
This section not used.

8.3 CERTIFICATION OF POLYCHLORINATED BIPHENYLS CLEARANCE FOR THE DUNNING CIRCLE HOUSING AREA

**CERTIFICATION OF POLYCHLORINATED BIPHENYLS
CLEARANCE FOR THE
DUNNING CIRCLE HOUSING AREA**

A records search and an on-site inspection indicate that the Dunning Circle Housing Area property has not been exposed to PCB materials or equipment.

Prepared by:

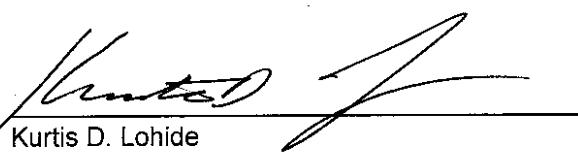


Carl Rykaczewski, R.E.A. I
California Registered Environmental Assessor No. 07598
Earth Tech, Inc.

10 Dec 2003

Date

Approved by:



Kurtis D. Lohide
Colonel, USAF
Vice Commander

11/24/04

Date

THIS PAGE INTENTIONALLY LEFT BLANK

APPENDIX A

TERMS

APPENDIX A TERMS

Accumulation point. A location where a generator accumulates hazardous waste awaiting transfer to a treatment, storage, or disposal (TSD) facility. An accumulation point does not require a U.S. Environmental Protection Agency (EPA) TSD permit as long as waste is stored there fewer than 180 days.

Acquisition. Obtaining, use, or control of property by purchase, condemnation, donation, exchange, easement, lease revestment, and/or recapture.

Adjacent properties. All (judgment call) properties within 1/4 mile of the subject property and properties within 1 mile of the subject property that exhibit potential environmental concerns.

Asbestos. Six naturally occurring fibrous minerals found in certain types of rock formations. Of the six, the minerals chrysotile, amosite, and crocidolite have been most commonly used in building products. When mined and processed, asbestos is typically separated into very thin fibers. Because asbestos is strong, incombustible, and corrosion-resistant, it was used in many commercial products beginning early in the twentieth century, and peaking in the period from World War II into the 1970s. When inhaled in sufficient quantities, asbestos fibers can cause serious health problems.

Asbestos-containing material (ACM). Any material or product that contains more than 1 percent asbestos.

Contaminants. Undesirable substances rendering something unfit for use.

Contamination. Degradation of naturally occurring water, air, or soil quality, either directly or indirectly, as a result of human activities.

Discharge. Release of groundwater into springs or wells, through evapotranspiration, or as outflow. Also a release of a liquid into a waterbody or a gas into the air.

Effluent. Waste material discharged into the environment.

Environmental Restoration Program (ERP). The Air Force program designed to identify, characterize, and remediate environmental contamination on Air Force installations. Although widely accepted at the time, procedures followed prior to the mid-1970s for managing and disposing of many wastes often resulted in contamination of the environment. The program has established a process to evaluate past disposal sites, control the migration of contaminants, and control potential hazards to human health and the environment. Section 211 of Superfund Amendments and Reauthorization Act (SARA), codified as the Defense Environmental Restoration Program, of which the Air Force ERP is a subset, ensures that the Department of Defense (DOD) has the authority to conduct its own environmental restoration programs. DOD coordinates ERP activities with the U.S. EPA and appropriate state agencies.

Groundwater. Water that occurs beneath the water table in soil and geologic formations that are fully saturated.

Hazardous material. Generally, a substance or mixture of substances that has the capability of either causing or significantly contributing to an increase in mortality, or an increase in serious irreversible or incapacitating reversible illness; or posing a substantial present or potential risk to human health or the environment. Use of these materials is regulated by the Department of Transportation, Occupational Safety and Health Administration (OSHA), and the U.S. EPA.

Hazardous substances. Hazardous substances is a broad classification, and includes hazardous materials, hazardous chemicals, hazardous wastes, and petroleum products. Several different federal and state rules individually regulate the storage of these hazardous substances.

Hazardous waste (federal definition under Resource Conservation and Recovery Act [RCRA], 42 U.S. Code [U.S.C.] Section 6903). RCRA defines hazardous waste as "a solid waste, or combination of solid wastes, which because of its quantity, concentration, or physical, chemical, or infectious characteristics, may pose a hazard to human health or the environment" (RCRA, Section 1004[5]). The U.S. EPA has listed several wastes that are known to be hazardous. A waste can also be classified as a characteristic hazardous waste if it exhibits one or more of the four hazardous waste characteristics described in Subpart C: ignitability, corrosivity, reactivity, or toxicity.

Lead. A heavy metal used in many industries that can accumulate in the body and cause a variety of negative effects.

Migration. The movement of substances from adjacent areas to the subject property, versus the ERP definition, which is the movement of substances from the subject property to an adjacent area.

National Priorities List. The list compiled by the U.S. EPA pursuant to Comprehensive Environmental Response, Compensation, and Liability Act (CERCLA) (42 U.S.C. Section 9605[a][8][B]) of properties with the highest priority for cleanup pursuant to U.S. EPA's Hazard Ranking System.

PCB equipment. Equipment that contains a concentration of polychlorinated biphenyls (PCBs) of 500 parts per million (ppm) or greater, and is regulated by the U.S. EPA.

Pesticides. Any substance, organic or inorganic, used to destroy or inhibit the action of plant or animal pests; the term thus includes insecticides, herbicides, fungicides, rodenticides, miticides, fumigants, and repellents. All pesticides are toxic to humans to some degree. Pesticides vary in biodegradability.

Petroleum products. Fuels, lubricants, hydraulic fluids, and solvents that are predominant petroleum based. They do not include oil-based paints, pesticides, synthetic solvents or other petroleum products containing hazardous substances which are added after the petroleum refining process.

Petroleum substance. Petroleum products and petroleum wastes.

Petroleum waste. Refuse generated through the use of petroleum products. Petroleum waste qualifying for the petroleum exclusion is unadulterated petroleum waste. Petroleum waste contaminated by hazardous substances is treated as hazardous waste.

Physical inspection. An inspection of a contiguous property that included a visit to the subject property, an interview with the property owner/operator (when present), and a walk-around of the property. For base facilities, physical inspections include exterior and interior (walk-through) inspections.

PCB-contaminated equipment. Equipment that contains a concentration of PCBs from 50 to 499 ppm and is regulated by the U.S. EPA.

PCBs. Any of a family of industrial compounds produced by chlorination of biphenyls. These compounds accumulate in organisms, and concentrate in the food chain with resultant pathogenic and teratogenic effects. They also decompose very slowly.

Release. Any spilling, leaking, pumping, pouring, emitting, emptying, discharging, injecting, escaping, leaching, dumping, or disposing into the environment (including the abandonment or discarding of barrels, containers, and other closed receptacles containing any hazardous substance or pollutant or contaminant), but excludes (a) any release that results in exposure to persons solely within a workplace, with respect to a claim that such persons may assert against the employer of such persons; (b) emissions from the engine exhaust of a motor vehicle, rolling stock, aircraft, vessel, or pipeline pumping station engine; (c) release of source, by-product, or special nuclear material from a nuclear incident, as those terms are defined in the Atomic Energy Act of 1954, if such release is subject to requirements with respect to financial protection established by the Nuclear Regulatory Commission under Section 170 of such Act, or, for the purposes of Section 104 of this title or any other response action, any release of source by-product, or special nuclear material from any processing site designated under Section 102(a)(1) or 302(a) of the Uranium Mill Tailings Radiation Control Act of 1978, and (d) the normal application of fertilizer.

Solvent. A substance that dissolves or can dissolve another substance.

Transfer. Permits to other government agencies, donations, land exchanges, transfers of federal government property accountability, easements, leases, or licenses.

Uncontaminated property. Property on which no hazardous substances and no petroleum products or their derivatives were known to have been released or disposed of.

Underground storage tank (UST). Any tank, including underground piping connected to the tank, that is or has been used to contain hazardous substances or petroleum products, and the volume of which is 10 percent or more beneath the surface of the ground.

U.S. EPA. The independent federal agency, established in 1970, that regulates environmental matters and oversees the implementation of environmental laws.

Visual inspection. An inspection of a contiguous property or a large, remote area of a base that included a windshield survey of the subject property from public access roads or base property.

Visual site inspection. A physical inspection of a base or contiguous property.

THIS PAGE INTENTIONALLY LEFT BLANK

APPENDIX B

MAPS AND AERIAL PHOTOGRAPHS

This section not used.

THIS PAGE INTENTIONALLY LEFT BLANK

APPENDIX C
SITE PHOTOGRAPHS

APPENDIX C

SITE PHOTOGRAPHS

Due to security concerns, no photographs of the Dunning Circle Housing Area were taken. Therefore, this section is not used.

THIS PAGE INTENTIONALLY LEFT BLANK

APPENDIX D
REFERENCES

APPENDIX D

REFERENCES

- 42 U.S. Code 120 (h)(3), CERCLA.
- 99th Civil Engineer Squadron, 2002. Personal communication with William Sandeen (CES/CEVN) regarding the asbestos survey at Dunning Circle, July.
- Air Force Instruction 32-7066, Environmental Baseline Surveys in Real Estate Transactions.
- Air Force Policy Directive 32-70, Environmental Quality.
- Black and Veatch, 2001. Nellis Air Force Base Landfill LF-02, Project No. RKMF20007001, Annual Groundwater Monitoring Report, September.
- Confidential Compliance Consultants, 1996. Lead-Based Paint Inventory and Risk Assessment, Nellis Air Force Base, "March-1" Military Housing, Las Vegas, NV, November.
- Department of Defense, 1995. BRAC Cleanup Plan (BCP): Implementing President Clinton's Decision to Promote Early Reuse of Closing Bases by Expediting Environmental Cleanup.
- Department of the Air Force, 1980. Comprehensive Plan, Real Estate Map, Nellis Air Force Base, Las Vegas, Nevada. Tactical Air Command, 1 July.
- Department of the Air Force, 1994. Memorandum for 558 CES/CEH, 1993/1994 Year-Long Radon Testing following Mitigation, Base Housing, September.
- Department of the Air Force, 2000. Installation Restoration Program, Site Fire Training Area 18 (FT-18), Site Closure Decision Document, February.
- Department of the Air Force, 2001. Nellis Air Force Base, Site ST-45, Project No. RKMF19997014A, Soil Vapor Extraction and Biosparging System, Installation Report and As-Built Drawings, May.
- Environmental Data Resources, Inc., 2002. The EDR Area Study Report – Study Area, Nellis Terrace/Dunning Circle, Las Vegas, NV, 89115, 19 February.
- Galson Corporation, 1994. Asbestos and Lead-Based Paint Identification for Nellis Air Force Base, Las Vegas, Nevada, Volume I of III.
- Headquarters Air Combat Command, 1998. Electronic mail from Colonel Michael Patrick (ACC/CEV) regarding the "PCB-free" status of ACC installations, 23 December.
- Headquarters Air Combat Command, 2001. Infrastructure Assessment, Nellis AFB/Indian Springs AFAF. HQ ACC Civil Engineer Operations Division, Infrastructure Operations Branch, 22 January – 1 February.
- Headquarters Air Warfare Center, 1999. Nellis Air Force Base Plan 16, Aboveground Storage Tank Management Plan, December.
- Higgenbotham/Briggs and Associates, 1997. General Plan, Nellis Air Force Base, Nevada, June.
- Montgomery Watson, 2001. Final Stormwater Pollution Prevention Plan for Nellis Air Force Base, Nevada, January.

Nellis Air Force Base, 1999. Facility Response Plan for Nellis Air Force Base, Final, May.

Nellis Air Force Base, 2000a. Nellis Air Force Base Plan 12, Hazardous Waste Management Plan, November.

Nellis Air Force Base, 2000b. Management Action Plan, Nellis AFB, NV (ACC), December.

Nellis Air Force Base, 2000c. Pest Management Plan for Nellis Air Force Base, Las Vegas, Nevada, Plan Period: January 2001 to January 2002, January.

Nevada, Department of Environmental Protection, 2002. State of Nevada Landfill in Watery.
<http://www.ndep.state.nv/bwm/landfill.html> #3.

U.S. Air Force, 1999. F-22 Aircraft Force Development Evaluation and Weapons School Beddown, Nellis AFB, Final Environmental Impact Statement, October.

U.S. Air Force, 2001a. Nellis Home AFB Family Housing Master Plan, Draft, June.

U.S. Department of Agriculture, 1985. Soil Survey of Las Vegas Area, Nevada, Part of Clark County.

U.S. Department of the Interior, Geological Survey, 1973. Las Vegas NE Quadrangle, Nevada—Clark County, 7.5 Minute Series (Topographic).

U.S. Environmental Protection Agency, 1994. Military Base Closures: Guidance on U.S. Environmental Protection Agency Concurrence in the Identification of Uncontaminated Parcels under CERCLA Section 120(h)(4). Memorandum to U.S. Environmental Protection Agency Waste Management Division Directorate, April.

U.S. Environmental Protection Agency, 2002. EPA Map of Zones.
<http://www.epa.gov/iag/radon/zonemap.html>.

APPENDIX E

INTERVIEWS AND VISUAL SITE INSPECTION FORMS

APPENDIX E

INTERVIEWS AND VISUAL SITE INSPECTION FORMS

Interviews were conducted with Nellis AFB personnel on 5-8 November 2001. The primary topics of discussion are summarized below by individual.

Ms. Monica Eichler, PCBs, LBP, ACM, Radon, Plans Manager

- All the transformers within the housing areas have been tested for PCBs and those with high levels of PCBs were removed.
- A radon survey was conducted within the housing areas. High levels of radon (above 4 picoCuries) were identified in some units. A subsequent survey also indicated high radon levels. The homes that contained the high radon levels were subsequently demolished. No additional radon surveys have been conducted, but, based on the past survey results, new housing should include mitigation for radon.

Mr. Bernd Schmidt, IRP and AOC Sites

- There are no IRP sites within 0.25 mile of the housing areas. The closest site to the housing areas is located south of Nellis Terrace. It has been designated site SS-45.
- Site OT-50 is a closed IRP site on the water wells parcels.

Mr. D.J. Haarklau, Storage Tanks and Spill Reports

- There are no oil-water separators and no septic tanks within the housing areas.
- There are two underground storage tanks associated with the water well parcels. These tanks have been closed and closure reports have been completed.
- There have been no reportable quantity spills within the housing areas since 1995.

Mr. John Roe, Water and Wastewater

- Wastewater from the base goes to the Clark County Sanitation District. Nellis AFB has an Industrial User Permit with Clark County. Clark County holds the NPDES permit with the State of Nevada.
- There are no sewage lift stations within the housing areas. Sewer lines within these areas are gravity-fed lines. The new sewer lines that will be associated with the housing construction within Manch Manor IV can either be connected to the existing system along Range Road or through the existing system within the remainder of Manch Manor.

Ms. Lynn Haarklau, Cultural Resources

- One-hundred percent of the base has been surveyed for cultural resources. No cultural resources have been identified within or near the housing areas. The State Historic Preservation Officer has concurred with the findings of these survey reports.

Mr. Eric Watkins, Biological Resources

- The water wells parcels contain areas of mesquite trees that provide habitat for a bird (phainopepla) that is a species of concern. The vegetation on the parcels is becoming locally rare because of development, but it is not sensitive enough to be afforded any protection.
- The proposed Manch Manor IV does not contain any sensitive biological resources. Some Las Vegas buckwheat, a plant species of concern, may be found on the parcel, but the plant is more numerous on the adjacent protected bearpoppy area.
- Mr. Watkins understanding is that the base can develop other areas containing Las Vegas bearpoppy as long as it protects the designated bearpoppy area situated north of Manch Manor.

HOUSING PRIVATIZATION EBS
Nellis AFB, Nevada
Visual Site Inspection (VSI)

Date 5/30/02

Inspector C.R. Kaczawski

Facility Escort Bill Sanderson

Facility: # 644 Name 644 Dunning Circle

This Facility and associated property with regards to disposal represents:

no constraints known or suspected constraints unknown constraints

Bio/Physical Setting: residential

Current Use: single family residence

Past Use: Same as above

Does facility generate or store Hazardous Material/Waste: Yes No

Did it ever store these: Yes (Provide Dates _____) No Don't Know

Accumulation Point: Yes No

Types: _____

Disposal practices: _____

"Housekeeping" in and around building is Good Poor: _____

Effluent waste created/Destination: _____

Conditions not mentioned that present concerns: _____

Interviews: _____

BUILDING INSPECTION CHECKLIST

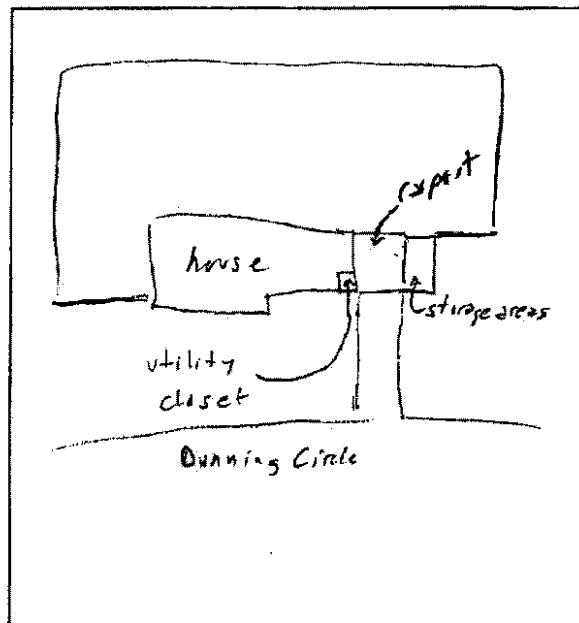
Are there any signs of the following on the property Y Yes N No U Unknown

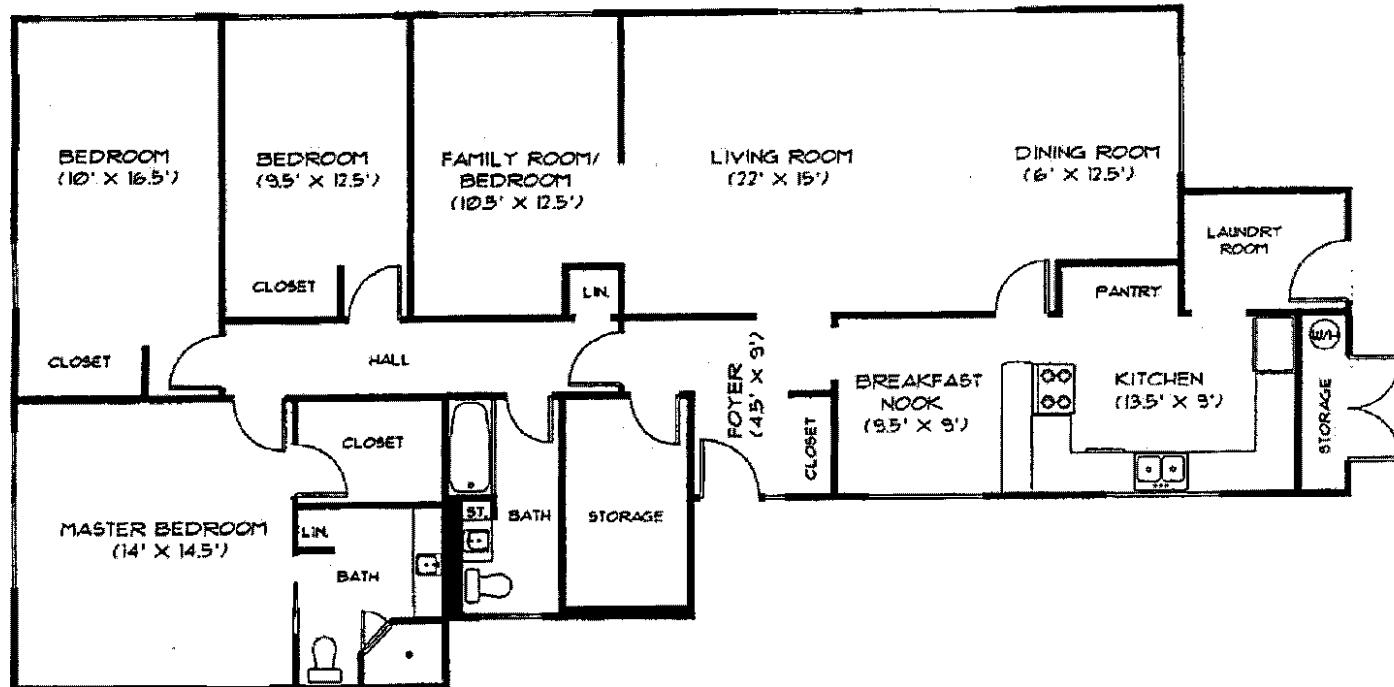
- | | | | |
|-------------|-------------------------------|-------------|---------------------------|
| A) <u>N</u> | UST | K) <u>N</u> | Discolored Soil |
| B) <u>N</u> | AST | L) <u>N</u> | Noxious Odors |
| C) <u>N</u> | Oil Water Separator | M) <u>N</u> | Sensitive Receptors |
| D) <u>N</u> | Septic Tank | N) <u>N</u> | Stressed vegetation |
| E) <u>N</u> | Waste Piles | O) <u>N</u> | Fill Areas/Buried Objects |
| F) <u>N</u> | Lead Paint/Pipes | P) <u>N</u> | Drums/Drum Storage |
| G) <u>N</u> | PCBs | Q) <u>N</u> | Surface Water |
| H) <u>N</u> | Stained Sinks/Floor Drains | R) <u>N</u> | Suspected ACM |
| I) <u>N</u> | Evidence of Spills | S) _____ | Other (Explain Below) |
| J) <u>N</u> | Evidence of improper disposal | | |

Check List Description:

Facility Diagram

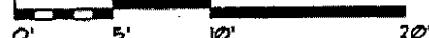
Roll	Photo Log: Frame	Subject
_____	_____	_____
_____	_____	_____
_____	_____	_____
_____	_____	_____
_____	_____	_____
_____	_____	_____
_____	_____	_____
_____	_____	_____
_____	_____	_____
_____	_____	_____





MODEL D04E

Scale: 1/8" = 1'-0"



Room dimensions are rounded to the nearest half-foot.

Approx. Specifications:

Gross Sq. Ft: 2068 Covered Patio Area: 261 Sq. Ft.

Net Sq. Ft: 1613

Housing Management Office: 4390 Devlin Dr, Nellis AFB, NV 89191-6527

Hours of Operation: Mon, Tues, Thur, Fri: 7:30 am - 3:30 pm. Wed, closed at 1 pm for training.

COMM: (702) 652-1840 DSN: 682-1840 FAX: (702) 682-2302

THIS PAGE INTENTIONALLY LEFT BLANK

APPENDIX F
FEDERAL AND STATE DATABASE SEARCH FINDINGS



The EDR Area Study Report

Study Area
Nellis Terrace/Dunning Circle
Las Vegas, NV 89115

February 19, 2002

Inquiry number 736310.2s

***The Source*
For Environmental
Risk Management
Data**

3530 Post Road
Southport, Connecticut 06490

Nationwide Customer Service

Telephone: 1-800-352-0050
Fax: 1-800-231-6802
Internet: www.edrnet.com

EXECUTIVE SUMMARY

A search of available environmental records was conducted by Environmental Data Resources, Inc. (EDR).

TARGET PROPERTY INFORMATION

ADDRESS

NELLIS TERRACE/DUNNING CIRCLE
LAS VEGAS, NV 89115

DATABASES WITH NO MAPPED SITES

No mapped sites were found in EDR's search of available ("reasonably ascertainable") government records within the requested search area for the following databases:

FEDERAL ASTM STANDARD

NPL.....	National Priority List
Proposed NPL.....	Proposed National Priority List Sites
CERCLIS.....	Comprehensive Environmental Response, Compensation, and Liability Information System
CERC-NFRAP.....	CERCLIS No Further Remedial Action Planned
CORRACTS.....	Corrective Action Report
RCRIS-TSD.....	Resource Conservation and Recovery Information System

FEDERAL ASTM SUPPLEMENTAL

CONSENT.....	Superfund (CERCLA) Consent Decrees
ROD.....	Records Of Decision
Delisted NPL.....	National Priority List Deletions
HMIRS.....	Hazardous Materials Information Reporting System
MLTS.....	Material Licensing Tracking System
MINES.....	Mines Master Index File
NPL Liens.....	Federal Superfund Liens
PADS.....	PCB Activity Database System
RAATS.....	RCRA Administrative Action Tracking System
TRIS.....	Toxic Chemical Release Inventory System
TSCA.....	Toxic Substances Control Act
FTTS.....	FIFRA/ TSCA Tracking System - FIFRA (Federal Insecticide, Fungicide, & Rodenticide Act)/TSCA (Toxic Substances Control Act)

STATE OR LOCAL ASTM SUPPLEMENTAL

AST..... Aboveground Storage Tanks List

EDR PROPRIETARY HISTORICAL DATABASES

Coal Gas..... Former Manufactured Gas (Coal Gas) Sites

EXECUTIVE SUMMARY

SURROUNDING SITES: SEARCH RESULTS

Surrounding sites were identified.

Page numbers and map identification numbers refer to the EDR Radius Map report where detailed data on individual sites can be reviewed.

Sites listed in ***bold italics*** are in multiple databases.

Unmappable (orphan) sites are not considered in the foregoing analysis.

FEDERAL ASTM STANDARD

RCRIS: The Resource Conservation and Recovery Act database includes selected information on sites that generate, store, treat, or dispose of hazardous waste as defined by the Act. The source of this database is the U.S. EPA.

A review of the RCRIS-LQG list, as provided by EDR, and dated 06/21/2000 has revealed that there are 6 RCRIS-LQG sites within the searched area.

<u>Site</u>	<u>Address</u>	<u>Map ID</u>	<u>Page</u>
CALNEV PIPE LINE CO	5049 N SLOAN LANE	1	2
EQUILON LAS VEGAS SALES TERMIN	5049-B NORTH SLOAN LANE	1	8
PHILLIPS PETROLEUM CO-LAS VEGA	5054 N SLOAN LANE	1	9
IMMERSION DRY CLEANERS	4350 LAS VEGAS	8	15
USAF NELLIS AFB BLDG 448	BUILDING 448	18	28
USAF NELLIS RANGE COMPLEX	3770 DUFFER DR	21	30

RCRIS: The Resource Conservation and Recovery Act database includes selected information on sites that generate, store, treat, or dispose of hazardous waste as defined by the Act. The source of this database is the U.S. EPA.

A review of the RCRIS-SQG list, as provided by EDR, and dated 06/21/2000 has revealed that there are 7 RCRIS-SQG sites within the searched area.

<u>Site</u>	<u>Address</u>	<u>Map ID</u>	<u>Page</u>
ERA HELICOPTER	14505 MT ANDERSON DR	5	13
DRIVE A JUNK	4465 N LAS VEGAS BLVD	6	13
HENDERSON CITY HALL	240 WATER STREET	10	16
USAF NELLIS AFB AUTO HOBBY SHO	BLDG 840	18	27
FORD AEROSPACE	AREA 3 BLDG 1020	18	28
FAST 1 HOUR FOTO INC	700 S BOULDER HWY C 5	22	31
QUICKS RADIATOR NO 2	3071 N NELLIS BLVD	26	34

ERNS: The Emergency Response Notification System records and stores information on reported releases of oil and hazardous substances. The source of this database is the U.S. EPA.

A review of the ERNS list, as provided by EDR, and dated 08/08/2000 has revealed that there are 31 ERNS sites within the searched area.

<u>Site</u>	<u>Address</u>	<u>Map ID</u>	<u>Page</u>
5049 NORTH SLOAN LANE	5049 NORTH SLOAN LANE	1	8

EXECUTIVE SUMMARY

<u>Site</u>	<u>Address</u>	<u>Map ID</u>	<u>Page</u>
5049 N SLOAN LN	5049 N SLOAN LN	1	8
5049 N. SLOAN	5049 N. SLOAN	1	8
5049 N SLOAN LN	5049 N SLOAN LN	1	8
5049 NORTH SLOAN LANE	5049 NORTH SLOAN LANE	1	8
5049 N. SLOAN LANE	5049 N. SLOAN LANE	1	9
5049 NORTH SLOAN LANE	5049 NORTH SLOAN LANE	1	9
5049 SLOAN LANE	5049 SLOAN LANE	1	9
5049 N. SLOAN LANE	5049 N. SLOAN LANE	1	9
5049 NORTH SLOAN LANE	5049 NORTH SLOAN LANE	1	9
4950 N. SLOAN LN.	4950 N. SLOAN LN.	3	13
4950 N. SLOAN LN.	4950 N. SLOAN LN.	3	13
4700 LAS VEGAS BLVD N.	4700 LAS VEGAS BLVD N.	4	13
4551 DEVLIN DR	4551 DEVLIN DR	16	23
4551 DEVLIN DR E SIDE OF RUNWA	4551 DEVLIN DR E SIDE O	16	24
4551 DEVLIN DRIVE, BUILDING 8H	4551 DEVLIN DRIVE, BUIL	16	26
4203 PARAMOUNT STREET	4203 PARAMOUNT STREET	17	27
2 MILES NORTH OF NELLIS AFB AR	2 MILES NORTH OF NELLIS	18	27
BLDG 71 INDIAN SPRINGS AFB	BLDG 71 INDIAN SPRINGS	18	28
NELLIS AFB , AIRCRAFT PARKING	NELLIS AFB , AIRCRAFT P	18	28
NELLIS AFB TARMACK	NELLIS AFB TARMACK	18	28
NELLIS AFB	NELLIS AFB	18	28
FACILITY 941 NELLIS AFB	FACILITY 941 NELLIS AFB	18	28
NELLIS AFB TONOPHIA TEST RANGE	NELLIS AFB TONOPHIA TES	18	29
FWC/EV NELLIS AFB	FWC/EV NELLIS AFB	18	29
FACILITY 941 NELLIS AFB	FACILITY 941 NELLIS AFB	18	29
NELLIS AFB POINT BRAVO ON THE	NELLIS AFB POINT BRAVO	18	29
BLDG 810 NELLIS AFB	BLDG 810 NELLIS AFB	18	29
3781 LAS VEGAS BLVD.	3781 LAS VEGAS BLVD.	19	29
3241 N. NELLIS BLVD.	3241 N. NELLIS BLVD.	24	32
3080 RINGE LANE	3080 RINGE LANE	27	34

STATE ASTM STANDARD

SHWS: Corrective Action Case list (Active, Non-ust Hazardous Waste and Regulated Substance. Correction Actions)

A review of the SHWS list, as provided by EDR, has revealed that there are 7 SHWS sites within the searched area.

<u>Site</u>	<u>Address</u>	<u>Map ID</u>	<u>Page</u>
CAL NEV PIPELINE	5049 NORTH SLOAN LANE	1	5
CAL NEV PIPELINE COMPANY/TEXAC	5056 NORTH SLOAN AVENUE	1	10
NEVADA RECYCLING, INC.	5000 RANGE ROAD	2	11
FREDRICKSON TANK LINES	4915 NORTH SLOAN	3	12
SPRINT CENTRAL TELEPHONE	4243 NORTH LAS VEGAS BO	9	15
NELLIS AIR FORCE BASE	4551 DEVLIN DRIVE	16	25
QUICK'S RADIATOR & MUFFLER #2	3071 NORTH NELLIS BOULE	26	33

EXECUTIVE SUMMARY

SWF/LF: Landfill List.

A review of the SWF/LF list, as provided by EDR, has revealed that there is 1 SWF/LF site within the searched area.

<u>Site</u>	<u>Address</u>	<u>Map ID</u>	<u>Page</u>
NELLIS AFB LANDFILL #4 (NEW FA)	4551 DEVLIN DRIVE	16	26

LUST: Leaking UST List.

A review of the LUST list, as provided by EDR, and dated 01/09/2002 has revealed that there are 2 LUST sites within the searched area.

<u>Site</u>	<u>Address</u>	<u>Map ID</u>	<u>Page</u>
7-ELEVEN #18198	4395 NORTH LAS VEGAS BO	7	14
7-ELEVEN #15449	3589 NORTH NELLIS BOULE	23	32

UST: Registered Underground Storage Tank Facilities.

A review of the UST list, as provided by EDR, and dated 01/07/2002 has revealed that there are 31 UST sites within the searched area.

<u>Site</u>	<u>Address</u>	<u>Map ID</u>	<u>Page</u>
CALNEV PIPE LINE CO	5049 N SLOAN LANE	1	2
FORMER TEXACO SITE--LAS VEGAS	5049 N SLOAN LN	1	4
CALNEV PIPELINE CO--LAS VEGAS	5049 N SLOAN LN	1	5
SILVER DOLLAR RECYCLING	5000 RANGE ROAD	2	12
CHEVRON LAS VEGAS TERMINAL #10	4950 N SLOAN LN	3	12
7-ELEVEN #18198	4395 LAS VEGAS BLVD NOR	7	14
CENTRAL TELEPHONE COMPANY	4243 LAS VEGAS BLVD NOR	9	16
MAC'S CASINO & NEVADA CROSSING	1045 WENDOVER BLVD	11	16
7-ELEVEN #32130	4728 W CRAIG RD	12	18
FERRARI'S CAR WASH	4895 E CRAIG RD	13	18
RADAR HILL, TONOPAH AS	4349 DUFFER DRIVE	14	19
GAS N JET	4180 LAS VEGAS BLVD NOR	15	20
FACILITY #831	4551 DEVLIN DRIVE	16	20
FACILITY #2060	4551 DEVLIN DRIVE	16	20
NELLIS AFB	4551 DEVLIN DR	16	21
FACILITY 606	4551 DEVLIN DRIVE	16	21
USAF-NELLIS AFB - FAC #61647	4551 DEVLIN DR	16	21
FACILITY #940	4551 DEVLIN DRIVE	16	22
FACILITY #490	4551 DEVLIN DRIVE	16	23
FACILITY 814	4551 DEVLIN DRIVE	16	23
USAF- NELLIS AFB- FAC #2814	4551 DEVLIN DR	16	23
USAF - NELLIS AFB - FAC #890	4551 DEVLIN DR	16	23
FACILITY #2000	4551 DEVLIN DRIVE	16	24
USAF -NELLIS AFB- FAC #10322	4551 DEVLIN DR	16	24
FACILITY #939	4551 DEVLIN DRIVE	16	24
USAF-NELLIS AFB- FAC #941	4551 DEVLIN DR	16	26
FACILITY #460	4551 DEVLIN DRIVE	16	27
SAME AS 8000353	3735 N NELLIS BLVD	20	29
NEW NELLIS THRIFTY MART	3735 N NELLIS BLVD	20	29

EXECUTIVE SUMMARY

<u>Site</u>	<u>Address</u>	<u>Map ID</u>	<u>Page</u>
7-ELEVEN #15449	3589 N NELLIS BLVD	23	31
REBEL OIL #39	3191 N NELLIS BLVD	25	32

FEDERAL ASTM SUPPLEMENTAL

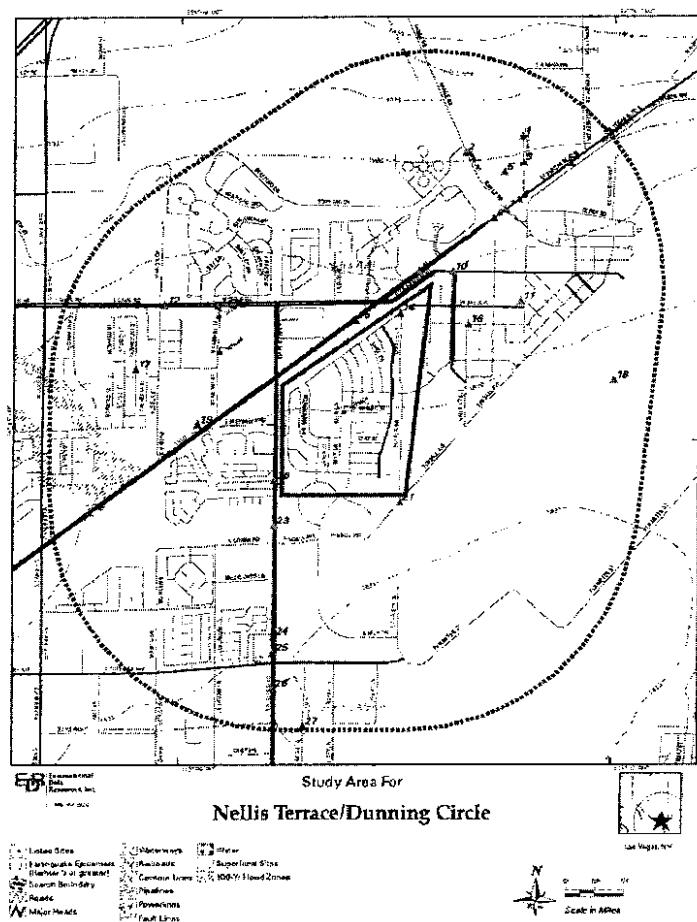
FINDS: The Facility Index System contains both facility information and "pointers" to other sources of information that contain more detail. These include: RCRIS; Permit Compliance System (PCS); Aerometric Information Retrieval System (AIRS); FATES (FIFRA [Federal Insecticide Fungicide Rodenticide Act] and TSCA Enforcement System, FTTS [FIFRA/TSCA Tracking System]; CERCLIS; DOCKET (Enforcement Docket used to manage and track information on civil judicial enforcement cases for all environmental statutes); Federal Underground Injection Control (FURS); Federal Reporting Data System (FRDS); Surface Impoundments (SIA); TSCA Chemicals in Commerce Information System (CICS); PADS; RCRA-J (medical waste transporters/disposers); TRIS; and TSCA. The source of this database is the U.S. EPA/NTIS.

A review of the FINDS list, as provided by EDR, and dated 10/29/2001 has revealed that there are 10 FINDS sites within the searched area.

<u>Site</u>	<u>Address</u>	<u>Map ID</u>	<u>Page</u>
CALNEV PIPE LINE CO	5049 N SLOAN LANE	1	2
EQUILON LAS VEGAS SALES TERMIN	5049-B NORTH SLOAN LANE	1	8
PHILLIPS PETROLEUM CO-LAS VEGA	5054 N SLOAN LANE	1	9
ERA HELICOPTER	14505 MT ANDERSON DR	5	13
DRIVE A JUNK	4465 N LAS VEGAS BLVD	6	13
IMMERSION DRY CLEANERS	4350 LAS VEGAS	8	15
HENDERSON CITY HALL	240 WATER STREET	10	16
USAF NELLIS AFB AUTO HOBBY SHO	BLDG 840	18	27
FAST 1 HOUR FOTO INC	700 S BOULDER HWY C 5	22	31
QUICKS RADIATOR NO 2	3071 N NELLIS BLVD	26	34

EXECUTIVE SUMMARY

Please refer to the end of the findings report for unmapped orphan sites due to poor or inadequate address information.



MAP FINDINGS SUMMARY

<u>Database</u>	<u>Total Plotted</u>
<u>FEDERAL ASTM STANDARD</u>	
NPL	0
Proposed NPL	0
CERCLIS	0
CERC-NFRAP	0
CORRACTS	0
RCRIS-TSD	0
RCRIS Lg. Quan. Gen.	6
RCRIS Sm. Quan. Gen.	7
ERNS	31
<u>STATE ASTM STANDARD</u>	
State Haz. Waste	7
State Landfill	1
LUST	2
UST	31
<u>FEDERAL ASTM SUPPLEMENTAL</u>	
CONSENT	0
ROD	0
Delisted NPL	0
FINDS	10
HMIIRS	0
MLTS	0
MINES	0
NPL Liens	0
PADS	0
RAATS	0
TRIS	0
TSCA	0
FTTS	0
<u>STATE OR LOCAL ASTM SUPPLEMENTAL</u>	
AST	0
<u>EDR PROPRIETARY HISTORICAL DATABASES</u>	
Coal Gas	0

* Sites may be listed in more than one database

MAP FINDINGS

Map ID Direction Distance Distance (ft.)Site	EDR ID Number
Database(s)	EPA ID Number

Coal Gas Site Search: No site was found in a search of Real Property Scan's ENVIROHAZ database.

1	CALNEV PIPE LINE CO 5049 N SLOAN LANE LAS VEGAS, NV 89115	FINDS 1000882053 RCRIS-LQG NVD990764961 UST CA HAZNET
---	--	--

RCRIS:

Owner: CALNEV PIPE LINE CO
(415) 555-1212

Contact: JEFF PARRISH
(714) 387-9509

Record Date: 01/17/1992

Classification: Large Quantity Generator

BIENNIAL REPORTS:

Last Biennial Reporting Year: 1999

Waste	Quantity (Lbs)
D001	20060.20

Used Oil Recyc: No

Violation Status: Violations exist

Regulation Violated:	Not reported
Area of Violation:	Generator-All Requirements
Date Violation Determined:	05/18/1998
Priority of Violation:	Low
Schedule Date to Achieve Compliance:	Not reported
Actual Date Achieved Compliance:	07/06/1998
Enforcement Action:	Written Informal
Enforcement Action Date:	05/18/1998
Proposed Monetary Penalty:	Not reported
Final Monetary Penalty:	Not reported

There are 1 violation record(s) reported at this site:

<u>Evaluation</u>	<u>Area of Violation</u>	<u>Date of Compliance</u>
Other Evaluation	Generator-All Requirements	07/06/1998

FINDS:

Other Pertinent Environmental Activity Identified at Site:
 AIRS Facility System (AIRS/AFS)
 Biennial Reporting System (BRS)
 Enforcement Docket System (DOCKET)
 Facility Registry System (FRS)
 Resource Conservation and Recovery Act Information system (RCRAINFO)

UST:

Facility ID:	8-000013	Tank ID:	1
Install Date:	04/16/1971	Tank Capacity:	10310
Tank Status:	Permanently Out of Use	Tank Substance:	Other
Material:		Upgrades of Material:	
Tank:	Cathodically Protected Steel	None	
Pipe:	Galvanized Steel	None	

MAP FINDINGS

Map ID Direction Distance Distance (ft.)Site	EDR ID Number
Database(s)	EPA ID Number

CALNEV PIPE LINE CO (Continued)

1000882053

Facility ID:	8-000013	Tank ID:	2
Install Date:	04/01/1971	Tank Capacity:	10000
Tank Status:	Permanently Out of Use	Tank Substance:	Other
Material:		Upgrades of Material:	
Tank:	Asphalt Coated or Bare Steel	None	
Pipe:	Galvanized Steel	None	
Facility ID:	8-000013	Tank ID:	3
Install Date:	04/01/1973	Tank Capacity:	2500
Tank Status:	Permanently Out of Use	Tank Substance:	Other
Material:		Upgrades of Material:	
Tank:	Asphalt Coated or Bare Steel	None	
Pipe:	Galvanized Steel	None	
Facility ID:	8-000013	Tank ID:	4
Install Date:	04/01/1973	Tank Capacity:	10000
Tank Status:	Currently in Use	Tank Substance:	Other
Material:		Upgrades of Material:	
Tank:	Asphalt Coated or Bare Steel	None	
Pipe:	Galvanized Steel	None	
Facility ID:	8-000013	Tank ID:	5
Install Date:	04/01/1962	Tank Capacity:	1000
Tank Status:	Permanently Out of Use	Tank Substance:	Used Oil
Material:		Upgrades of Material:	
Tank:	Asphalt Coated or Bare Steel	None	
Pipe:	Galvanized Steel	None	
HAZNET:			
Gepaid:	NVD990764961		
Tepaid:	CAT080013352		
Gen County:	99		
Tsd County:	Los Angeles		
Tons:	100.0800		
Category:	Tank bottom waste		
Disposal Method:	Recycler		
Contact:	GATX CORPORATION		
Telephone:	(714) 387-9509		
Mailing Address:	PO BOX 6346		
	SAN BERNARDINO, CA 92412 - 6346		
County	99		
Gepaid:	NVD990764961		
Tepaid:	CAD028409019		
Gen County:	99		
Tsd County:	Los Angeles		
Tons:	17.5140		
Category:	***		
Disposal Method:	Not reported		
Contact:	GATX CORPORATION		
Telephone:	(714) 387-9509		
Mailing Address:	PO BOX 6346		
	SAN BERNARDINO, CA 92412 - 6346		
County	99		

MAP FINDINGS

Map ID Direction Distance Distance (ft.)Site	EDR ID Number
Database(s)	EPA ID Number

CALNEV PIPE LINE CO (Continued)

1000882053

Gepaid: NVD990764961
 Tepaid: CAD028409019
 Gen County: 99
 Tsd County: Los Angeles
 Tons: 17.5140
 Category: Unspecified aqueous solution
 Disposal Method: Not reported
 Contact: GATX CORPORATION
 Telephone: (714) 387-9509
 Mailing Address: PO BOX 6346
 SAN BERNARDINO, CA 92412 - 6346
 County 99
 Gepaid: NVD990764961
 Tepaid: CAD028409019
 Gen County: 99
 Tsd County: Los Angeles
 Tons: 35.0280
 Category: Unspecified oil-containing waste
 Disposal Method: Treatment, Tank
 Contact: GATX CORPORATION
 Telephone: (714) 387-9509
 Mailing Address: PO BOX 6346
 SAN BERNARDINO, CA 92412 - 6346
 County 99
 Gepaid: NVD990764961
 Tepaid: CAD028409019
 Gen County: 99
 Tsd County: Los Angeles
 Tons: .0000
 Category:
 Disposal Method: Treatment, Tank
 Contact: GATX CORPORATION
 Telephone: (714) 387-9509
 Mailing Address: PO BOX 6346
 SAN BERNARDINO, CA 92412 - 6346
 County 99

The CA HAZNET database contains 21 additional records for this site.
 Please contact your EDR Account Executive for more information.

1	FORMER TEXACO SITE-LAS VEGAS STORAGE TERMINAL 5049 N SLOAN LN LAS VEGAS, NV 89115	UST U003380124 N/A
UST:		
Facility ID:	8-000688	Tank ID: 1
Install Date:	04/21/1962	Tank Capacity: 1000
Tank Status:	Permanently Out of Use	Tank Substance: Used Oil
Material:		Upgrades of Material:
Tank:	Cathodically Protected Steel	None
Pipe:	Galvanized Steel	Cathodically Protected

MAP FINDINGS

Map ID
Direction
Distance
Distance (ft.) Site

EDR ID Number

Database(s) EPA ID Number

EPA ID Number

FORMER TEXACO SITE--LAS VEGAS STORAGE TERMINAL (Continued)

U003380124

Facility ID:	8-000688	Tank ID:	2
Install Date:	04/21/1973	Tank Capacity:	2000
Tank Status:	Permanently Out of Use	Tank Substance:	Diesel
Material:		Upgrades of Material:	
Tank:	Cathodically Protected Steel	None	
Pipe:	Galvanized Steel	Cathodically Protected	
Facility ID:	8-000688	Tank ID:	3
Install Date:	04/21/1973	Tank Capacity:	10000
Tank Status:	Permanently Out of Use	Tank Substance:	Other
Material:		Upgrades of Material:	
Tank:	Fiberglass Reinforced Plastic	None	
Pipe:	Galvanized Steel	Cathodically Protected	
Facility ID:	8-000688	Tank ID:	4
Install Date:	04/21/1980	Tank Capacity:	10000
Tank Status:	Permanently Out of Use	Tank Substance:	Gasoline
Material:		Upgrades of Material:	
Tank:	Fiberglass Reinforced Plastic	None	
Pipe:	Galvanized Steel	Cathodically Protected	
Facility ID:	8-000688	Tank ID:	5
Install Date:	04/21/1980	Tank Capacity:	10000
Tank Status:	Permanently Out of Use	Tank Substance:	Gasoline
Material:		Upgrades of Material:	
Tank:	Fiberglass Reinforced Plastic	None	
Pipe:	Galvanized Steel	Cathodically Protected	

1 CALNEV PIPELINE CO--LAS VEGAS STORAGE TERMINAL
5049 N SLOAN LN
LAS VEGAS, NV 89115

UST U003379605
N/A

UST:

Facility ID:	8-000066	Tank ID:	1
Install Date:	01/01/1988	Tank Capacity:	10000
Tank Status:	Permanently Out of Use	Tank Substance:	Gasoline
Material:	Upgrades of Material:		
Tank:	Cathodically Protected Steel	None	
Pipe:	Galvanized Steel	Cathodically Protected	

1 CAL NEV PIPELINE
5049 NORTH SLOAN LANE
LAS VEGAS, NV 89110

SHWS S103875773
N/A

SHWS:

Facility ID:	8-000066
Responsible Party Name:	Brian McGuire
Responsible Party Address:	Post Office Box 6346 San Bernardino, CA 92412
Activity Event Number:	Not reported
Activity ID:	1
Type of Activity:	Confirmed Release
Date Release Reported to NDEP:	Not reported
Petroleum Fund ID:	Not reported
Emergency Mngmnt Tracking #:	Not reported
Location of Paper File:	CCHD: Las Vegas
Type of Media Impacted:	Not reported

MAP FINDINGS

<u>Map ID</u>	<u>EDR ID Number</u>
<u>Direction</u>	
<u>Distance</u>	
<u>Distance (ft.)Site</u>	

CAL NEV PIPELINE (Continued)

S103875773

Type of Container:	Not reported
Substance Released:	Not reported
Description of Contaminant:	Not reported
Date of Closure:	07-Jul-92
Regulatory Type of Closure:	Not reported
Nevada Certified Manager Conducting Clean-up:	
Name:	Not reported
Address:	Not reported
Telephone:	Not reported
Modification of the discrete activity:	
Facility ID:	8-000066
Responsible Party Name:	Brian McGuire
Responsible Party Address:	Post Office Box 6346 San Bernardino, CA 92412
Activity Event Number:	Not reported
Activity ID:	2
Type of Activity:	Confirmed Release
Date Release Reported to NDEP:	16-Feb-96
Petroleum Fund ID:	Not reported
Emergency Mngmnt Tracking #:	Not reported
Location of Paper File:	NDEP: Carson City
Type of Media Impacted:	Soil
Type of Container:	Other
Substance Released:	Gasoline
Description of Contaminant:	Tank Farm
Date of Closure:	Not reported
Regulatory Type of Closure:	Not reported
Nevada Certified Manager Conducting Clean-up:	
Name:	Not reported
Address:	Not reported
Telephone:	Not reported
Modification of the discrete activity:	
Facility ID:	8-000066
Responsible Party Name:	Brian McGuire
Responsible Party Address:	Post Office Box 6346 San Bernardino, CA 92412
Activity Event Number:	Not reported
Activity ID:	3
Type of Activity:	Confirmed Release
Date Release Reported to NDEP:	15-Dec-98
Petroleum Fund ID:	Not reported
Emergency Mngmnt Tracking #:	Not reported
Location of Paper File:	NDEP: Carson City
Type of Media Impacted:	Soil
Type of Contalner:	Other
Substance Released:	Gasoline
Description of Contaminant:	pipeline repair - 150 gallons gas & water
Date of Closure:	21-Jan-99
Regulatory Type of Closure:	NAC 445A A-K
Nevada Certified Manager Conducting Clean-up:	
Name:	Not reported
Address:	Not reported
Telephone:	Not reported

Modification of the discrete activity:

MAP FINDINGS

Map ID		EDR ID Number
Direction		
Distance		
Distance (ft.)Site	Database(s)	EPA ID Number

CAL NEV PIPELINE (Continued) S103875773

Facility ID:	8-000066
Responsible Party Name:	Brian McGuire
Responsible Party Address:	Post Office Box 6346 San Bernardino, CA 92412
Activity Event Number:	Not reported
Activity ID:	4
Type of Activity:	Confirmed Release
Date Release Reported to NDEP:	Not reported
Petroleum Fund ID:	Not reported
Emergency Mngmnt Tracking #:	Not reported
Location of Paper File:	NDEP: Carson City
Type of Media Impacted:	Soil
Type of Container:	Other
Substance Released:	Diesel
Description of Contaminant:	Not reported
Date of Closure:	08-Jan-99
Regulatory Type of Closure:	Other
Nevada Certified Manager Conducting Clean-up:	
Name:	Not reported
Address:	Not reported
Telephone:	Not reported
Modification of the discrete activity:	
Facility ID:	8-000066
Responsible Party Name:	Brian McGuire
Responsible Party Address:	Post Office Box 6346 San Bernardino, CA 92412
Activity Event Number:	Not reported
Activity ID:	5
Type of Activity:	Confirmed Release
Date Release Reported to NDEP:	19-Feb-99
Petroleum Fund ID:	Not reported
Emergency Mngmnt Tracking #:	Not reported
Location of Paper File:	NDEP: Carson City
Type of Media Impacted:	Soil
Type of Container:	Other
Substance Released:	Unknown
Description of Contaminant:	Not reported
Date of Closure:	01-Apr-99
Regulatory Type of Closure:	NAC 445A A-K
Nevada Certified Manager Conducting Clean-up:	
Name:	Not reported
Address:	Not reported
Telephone:	Not reported
Modification of the discrete activity:	
Facility ID:	8-000066
Responsible Party Name:	Brian McGuire
Responsible Party Address:	Post Office Box 6346 San Bernardino, CA 92412
Activity Event Number:	Not reported
Activity ID:	6
Type of Activity:	Confirmed Release
Date Release Reported to NDEP:	08-Feb-00
Petroleum Fund ID:	Not reported
Emergency Mngmnt Tracking #:	Not reported

MAP FINDINGS

Map ID Direction Distance Distance (ft.)Site	EDR ID Number
Database(s)	EPA ID Number

CAL NEV PIPELINE (Continued)

S103875773

Location of Paper File: NDEP: Carson City
 Type of Media Impacted: Soil
 Type of Container: Other
 Substance Released: Gasoline
 Description of Contaminant: pipeline leak
 Date of Closure: 23-Mar-00
 Regulatory Type of Closure: NAC 445A A-K
 Nevada Certified Manager Conducting Clean-up:
 Name: Not reported
 Address: Not reported
 Telephone: Not reported
 Modification of the discrete activity:

1	5049 NORTH SLOAN LANE 5049 NORTH SLOAN LANE LAS VEGAS, NV 89115	ERNS 93468191 N/A
1	EQUILON LAS VEGAS SALES TERMINAL 5049-B NORTH SLOAN LANE LAS VEGAS, NV 89115	FINDS 1000144762 RCRIS-LQG NVD000626184
	RCRIS: Owner: EQUILON ENTERPRISES LLC (713) 241-5410 Contact: Not reported Record Date: 08/13/1999 Classification: Large Quantity Generator Used Oil Recyc: No Violation Status: No violations found	
	FINDS: Other Pertinent Environmental Activity identified at Site: Facility Registry System (FRS) Resource Conservation and Recovery Act Information system (RCRAINFO)	
1	5049 N SLOAN LN 5049 N SLOAN LN LAS VEGAS, NV	ERNS 90465420 N/A
1	5049 N. SLOAN 5049 N. SLOAN LAS VEGAS, NV	ERNS 93339761 N/A
1	5049 N SLOAN LN 5049 N SLOAN LN LOS VEGAS, NV	ERNS 90163198 N/A
1	5049 NORTH SLOAN LANE 5049 NORTH SLOAN LANE LAS VEGAS, NV	ERNS 90465446 N/A

MAP FINDINGS

<u>Map ID</u>	<u>Direction</u>	<u>Distance</u>	<u>EDR ID Number</u>
<u>Distance (ft.)Site</u>			<u>Database(s)</u> <u>EPA ID Number</u>
1	5049 N. SLOAN LANE 5049 N. SLOAN LANE LAS VEGAS, NV 89115		ERNS 96513636 N/A
1	5049 NORTH SLOAN LANE 5049 NORTH SLOAN LANE LAS VEGAS, NV		ERNS 93338098 N/A
1	5049 SLOAN LANE 5049 SLOAN LANE LAS VEGAS, NV 89115		ERNS 93332899 N/A
1	5049 N. SLOAN LANE 5049 N. SLOAN LANE LAS VEGAS, NV 89115		ERNS 93349425 N/A
1	5049 NORTH SLOAN LANE 5049 NORTH SLOAN LANE LAS VEGAS, NV		ERNS 90158392 N/A
1	IX REBEL OIL COMPANY 5054 NO SLOAN AVE LAS VEGAS, NV 89115		HAZNET S103971188 N/A
	HAZNET: Gepaid: NVC980415017 Tepaid: CAT080013352 Gen County: 99 Tsd County: Los Angeles Tons: 4.1700 Category: Unspecified organic liquid mixture Disposal Method: Recycler Contact: REBEL OIL COMPANY Telephone: (000) 000-0000 Mailing Address: 5054 NO SLOAN AVE LAS VEGAS, NV 89115 County 99 Gepaid: NVC980415017 Tepaid: CAT080013352 Gen County: 99 Tsd County: Los Angeles Tons: 16.6800 Category: Unspecified organic liquid mixture Disposal Method: Recycler Contact: REBEL OIL COMPANY Telephone: (000) 000-0000 Mailing Address: 5054 NO SLOAN AVE LAS VEGAS, NV 89115 County 99		
1	PHILLIPS PETROLEUM CO-LAS VEGAS TERM 5054 N SLOAN LANE LAS VEGAS, NV 89030		FINDS 1000289499 RCRIS-LQG NVT000618959

MAP FINDINGS

Map ID Direction Distance Distance (ft.)Site	EDR ID Number
Database(s)	EPA ID Number

PHILLIPS PETROLEUM CO-LAS VEGAS TERM (Continued)

1000289499

RCRIS:
Owner: PHILLIPS PETROLEUM COMPANY
(415) 555-1212

Contact: ENVIRONMENTAL MANAGER
(702) 643-8083

Record Date: 07/31/1990
Classification: Large Quantity Generator
Used Oil Recyc: No

Violation Status: No violations found

FINDS:

Other Pertinent Environmental Activity Identified at Site:
Resource Conservation and Recovery Act Information system (RCRAINFO)

1	CAL NEV PIPELINE COMPANY/TEXAC 5056 NORTH SLOAN AVENUE LAS VEGAS, NV 89115	SHWS	S103875742
			N/A

SHWS:

Facility ID: 8-000013
Responsible Party Name: Not reported
Responsible Party Address: Los Angeles, CA
Activity Event Number: Not reported
Activity ID: 1
Type of Activity: Confirmed Release
Date Release Reported to NDEP: Not reported
Petroleum Fund ID: Not reported
Emergency Mngmnt Tracking #: Not reported
Location of Paper File: NDEP: Carson City
Type of Media Impacted: Soil
Type of Container: Not reported
Substance Released: Not reported
Description of Contaminant: Not reported
Date of Closure: 14-Mar-93
Regulatory Type of Closure: Not reported
Nevada Certified Manager Conducting Clean-up:
Name: Not reported
Address: Not reported
Telephone: Not reported

Modification of the discrete activity:

Facility ID: 8-000013
Responsible Party Name: Not reported
Responsible Party Address: Los Angeles, CA
Activity Event Number: Not reported
Activity ID: 2
Type of Activity: Confirmed Release
Date Release Reported to NDEP: Not reported
Petroleum Fund ID: Not reported
Emergency Mngmnt Tracking #: Not reported
Location of Paper File: CCHD: Las Vegas
Type of Media Impacted: Not reported
Type of Container: Not reported
Substance Released: Not reported
Description of Contaminant: Not reported
Date of Closure: 06-Nov-91

MAP FINDINGS

Map ID Direction Distance Distance (ft.)Site	EDR ID Number
Database(s)	EPA ID Number

CAL NEV PIPELINE COMPANY/TEXAC (Continued)

S103875742

Regulatory Type of Closure: Not reported
 Nevada Certified Manager Conducting Clean-up:
 Name: Not reported
 Address: Not reported
 Telephone: Not reported
 Modification of the discrete activity:

2	NEVADA RECYCLING, INC. 5000 RANGE ROAD LAS VEGAS, NV	SHWS	S103877231
			N/A

SHWS:
 Facility ID: H-001229
 Responsible Party Name: Jackie Breese
 Responsible Party Address: Not reported
 Activity Event Number: Not reported
 Activity ID: 1
 Type of Activity: Confirmed Release
 Date Release Reported to NDEP: 15-Jan-97
 Petroleum Fund ID: Not reported
 Emergency Mngmnt Tracking #: Not reported
 Location of Paper File: NDEP: Las Vegas
 Type of Media Impacted: Soil
 Type of Container: Not reported
 Substance Released: TPH
 Description of Contaminant: Not reported
 Date of Closure: 04-Aug-97
 Regulatory Type of Closure: Not reported
 Nevada Certified Manager Conducting Clean-up:
 Name: Not reported
 Address: Not reported
 Telephone: Not reported
 Modification of the discrete activity:

Facility ID: H-001229
 Responsible Party Name: Jackie Breese
 Responsible Party Address: Not reported
 Activity Event Number: Not reported
 Activity ID: 2
 Type of Activity: Confirmed Release
 Date Release Reported to NDEP: 03-Jun-99
 Petroleum Fund ID: Not reported
 Emergency Mngmnt Tracking #: 990603-0001
 Location of Paper File: NDEP: Las Vegas
 Type of Media Impacted: Soil
 Type of Container: Unknown
 Substance Released: Unknown
 Description of Contaminant: TPH (don't know type)
 Date of Closure: Not reported
 Regulatory Type of Closure: Not reported
 Nevada Certified Manager Conducting Clean-up:
 Name: Not reported
 Address: Not reported
 Telephone: Not reported
 Modification of the discrete activity:

MAP FINDINGS

Map ID Direction Distance Distance (ft.)Site	EDR ID Number
Database(s)	EPA ID Number
2 SILVER DOLLAR RECYCLING 5000 RANGE ROAD LAS VEGAS, NV 89115	UST U003380457 N/A
UST: Facility ID: 8-001103 Install Date: 01/01/1990 Tank Status: Permanently Out of Use Material: Tank: Composite (Steel w/ FRP) Pipe: Galvanized Steel Facility ID: 8-001103 Install Date: 01/01/1990 Tank Status: Permanently Out of Use Material: Tank: Composite (Steel w/ FRP) Pipe: Galvanized Steel	Tank ID: 1 Tank Capacity: 4000 Tank Substance: Diesel Upgrades of Material: None None Tank ID: 2 Tank Capacity: 4000 Tank Substance: Diesel Upgrades of Material: None None
3 FREDRICKSON TANK LINES 4915 NORTH SLOAN LAS VEGAS, NV	SHWS S103877308 N/A
SHWS: Facility ID: H-001319 Responsible Party Name: Not reported Responsible Party Address: Not reported Activity Event Number: Not reported Activity ID: 1 Type of Activity: Confirmed Release Date Release Reported to NDEP: 17-Sep-98 Petroleum Fund ID: Not reported Emergency Mngmnt Tracking #: 980917-3064 Location of Paper File: NDEP: Las Vegas Type of Media Impacted: Not reported Type of Container: Other Substance Released: Gasoline Description of Contaminant: Release to concrete (truck drove over fuel line) Date of Closure: 23-Sep-98 Regulatory Type of Closure: Clean Close Nevada Certified Manager Conducting Clean-up: Name: Keith Stewart Address: Not reported Telephone: Not reported Modification of the discrete activity:	
3 CHEVRON LAS VEGAS TERMINAL #1001744 4950 N SLOAN LN LAS VEGAS, NV 89115	UST U003379628 N/A
UST: Facility ID: 8-000092 Install Date: 01/01/1975 Tank Status: Permanently Out of Use Material: Tank: Asphalt Coated or Bare Steel Pipe: Bare Steel	Tank ID: 1 Tank Capacity: 500 Tank Substance: Used Oil Upgrades of Material: None None

MAP FINDINGS

Map ID Direction Distance Distance (ft.)Site	EDR ID Number
Database(s)	EPA ID Number

CHEVRON LAS VEGAS TERMINAL #1001744 (Continued)

U003379628

Facility ID:	8-000092	Tank ID:	2
Install Date:	01/01/1985	Tank Capacity:	10000
Tank Status:	Currently in Use	Tank Substance:	Diesel
Material:		Upgrades of Material:	
Tank:	Fiberglass Reinforced Plastic	None	
Pipe:	Fiberglass Reinforced Plastic	Double-Walled	
Facility ID:	8-000092	Tank ID:	3
Install Date:	/ /	Tank Capacity:	5000
Tank Status:	Permanently Out of Use	Tank Substance:	New Oil
Material:		Upgrades of Material:	
Tank:	Asphalt Coated or Bare Steel	None	
Pipe:	Bare Steel	None	

3	4950 N. SLOAN LN. 4950 N. SLOAN LN. LAS VEGAS, NV 89115	ERNS 94373675 N/A
3	4950 N. SLOAN LN. 4950 N. SLOAN LN. LAS VEGAS, NV 89115	ERNS 94374015 N/A
4	4700 LAS VEGAS BLVD N. 4700 LAS VEGAS BLVD N. LAS VEGAS, NV	ERNS 96497689 N/A
5	ERA HELICOPTER 14505 MT ANDERSON DR RENO, NV 89506	RCRIS-SQG 1000159050 FINDS NVD982318826
	<p>RCRIS:</p> <p>Owner: ERA HELICOPTER (702) 677-4200</p> <p>Contact: BOB JESSER (702) 677-4200</p> <p>Record Date: 06/18/1995</p> <p>Classification: Conditionally Exempt Small Quantity Generator</p> <p>Used Oil Recyc: No</p> <p>Violation Status: No violations found</p> <p>FINDS:</p> <p>Other Pertinent Environmental Activity Identified at Site: Facility Registry System (FRS) Resource Conservation and Recovery Act Information system (RCRAINFO)</p>	
6	DRIVE A JUNK 4465 N LAS VEGAS BLVD LAS VEGAS, NV 89115	RCRIS-SQG 1000429581 FINDS NVD095997474

MAP FINDINGS

Map ID _____ EDR ID Number _____
Direction _____ Distance _____
Distance (ft.) Site _____ Database(s) EPA ID Number _____

DRIVE A JUNK (Continued) 1000429581

RCRIS:

Owner: DON JAMES
(415) 555-1212

Contact: ENVIRONMENTAL MANAGER
(702) 643-0075

Record Date: 09/24/1986

Classification: Small Quantity Generator

Used Oil Recyc: No

Violation Status: No violations found

FINDS:

Other Pertinent Environmental Activity Identified at Site:

Facility Registry System (FRS)

Resource Conservation and Recovery Act Information system (RCRAINFO)

7 7-ELEVEN #18198 LUST S105173957
4395 NORTH LAS VEGAS BOULEVARD N/A
LAS VEGAS, NV

LUST:

Facility ID:	8-000598
Potential Responsible Party:	Not reported
PRP Company:	Not reported
PRP Address:	Not reported
Activity Event Number:	Not reported
Activity ID:	1
Type of Activity:	Confirmed Release
Date Reported to NDEP:	25-Oct-00
Petroleum Fund ID:	Not reported
Emergency Mngmnt Tracking #:	Not reported
Location of Paper File:	NDEP: Las Vegas
Type of Media Impacted:	Soil
Type of Container:	UST
Substance Released:	Gasoline
Description of Contaminant:	Not reported
Date of Closure:	Not reported
Regulatory Type of Closure:	Not reported
Nevada Certified Manager Conducting Clean-up:	
Company:	SECOR International Corporation
Company Name:	Matt Grandjean
Company Address:	Not reported
Telephone:	Not reported

7 7-ELEVEN #18198 UST U003380043
4395 LAS VEGAS BLVD NORTH N/A
LAS VEGAS, NV 89110

UST:

Facility ID: 8-000598 **Tank ID:** 1
Install Date: 04/16/1984 **Tank Capacity:** 10000
Tank Status: Currently in Use **Tank Substance:** Gasoline
Material: Upgrades of Material:
 Tank: Fiberglass Reinforced Plastic None
 Pipe: Fiberglass Reinforced Plastic None

MAP FINDINGS

Map ID Direction Distance Distance (ft.) Site	EDR ID Number
Database(s)	EPA ID Number

7-ELEVEN #18198 (Continued)

U003380043

Facility ID:	8-000598	Tank ID:	2
Install Date:	04/16/1984	Tank Capacity:	10000
Tank Status:	Currently in Use	Tank Substance:	Gasoline
Material:		Upgrades of Material:	
Tank:	Fiberglass Reinforced Plastic	None	
Pipe:	Fiberglass Reinforced Plastic	None	
Facility ID:	8-000598	Tank ID:	3
Install Date:	04/16/1984	Tank Capacity:	10000
Tank Status:	Currently in Use	Tank Substance:	Gasoline
Material:		Upgrades of Material:	
Tank:	Fiberglass Reinforced Plastic	None	
Pipe:	Fiberglass Reinforced Plastic	None	

8 IMMERSION DRY CLEANERS FINDS 1000218301
4350 LAS VEGAS RCRIS-LQG NVD981640584
LAS VEGAS, NV 89115

RCRIS:
 Owner: BROWN R
 (415) 555-1212
 Contact: ENVIRONMENTAL MANAGER
 (702) 644-5944
 Record Date: 04/21/1997
 Classification: Large Quantity Generator
 Used Oil Recyc: No
 Violation Status: No violations found

FINDS:
 Other Pertinent Environmental Activity Identified at Site:
 Facility Registry System (FRS)
 Resource Conservation and Recovery Act Information system (RCRAINFO)

9 SPRINT CENTRAL TELEPHONE SHWS S103875782
4243 NORTH LAS VEGAS BOULEVARD N/A
NORTH LAS VEGAS, NV 89115

SHWS:
 Facility ID: 8-000078
 Responsible Party Name: Not reported
 Responsible Party Address: Not reported
 Activity Event Number: Not reported
 Activity ID: 1
 Type of Activity: Confirmed Release
 Date Release Reported to NDEP: Not reported
 Petroleum Fund ID: Not reported
 Emergency Mngmnt Tracking #: Not reported
 Location of Paper File: CCHD: Las Vegas
 Type of Media Impacted: Not reported
 Type of Container: Not reported
 Substance Released: Not reported
 Description of Contaminant: Not reported
 Date of Closure: 14-Dec-95
 Regulatory Type of Closure: Not reported
 Nevada Certified Manager Conducting Clean-up:

MAP FINDINGS

Map ID Direction Distance Distance (ft.) Site	EDR ID Number
Database(s)	EPA ID Number

SPRINT CENTRAL TELEPHONE (Continued) \$103875782

Name: Not reported
 Address: Not reported
 Telephone: Not reported

Modification of the discrete activity:

**9 CENTRAL TELEPHONE COMPANY UST U003379614
4243 LAS VEGAS BLVD NORTH (NORTH 3) N/A
LAS VEGAS, NV 89115**

UST:
 Facility ID: 8-000078 Tank ID: 1
 Install Date: 01/01/1967 Tank Capacity: 1000
 Tank Status: Permanently Out of Use Tank Substance: Diesel
 Material: Upgrades of Material:
 Tank: Asphalt Coated or Bare Steel None
 Pipe: Bare Steel None

**10 HENDERSON CITY HALL RCRIS-SQG 1000188459
240 WATER STREET FINDS NVD982497950
HENDERSON, NV 89015**

RCRIS:
 Owner: HENDERSON, CITY OF (415) 555-1212
 Contact: GARY BOWLING (702) 565-2122
 Record Date: 01/09/1992
 Classification: Small Quantity Generator
 Used Oil Recyc: No

Violation Status: No violations found

FINDS:
 Other Pertinent Environmental Activity Identified at Site:
 Facility Registry System (FRS)
 Resource Conservation and Recovery Act Information system (RCRAINFO)

**11 MAC'S CASINO & NEVADA CROSSING UST U001110815
1045 WENDOVER BLVD N/A
WENDOVER, NV 89883**

UST:
 Facility ID: 6-000073 Tank ID: 1
 Install Date: 04/21/1981 Tank Capacity: 20000
 Tank Status: Permanently Out of Use Tank Substance: Diesel
 Material: Upgrades of Material:
 Tank: Asphalt Coated or Bare Steel None
 Pipe: Galvanized Steel None

Facility ID: 6-000073 Tank ID: 2
 Install Date: 04/21/1981 Tank Capacity: 20000
 Tank Status: Permanently Out of Use Tank Substance: Diesel
 Material: Upgrades of Material:
 Tank: Asphalt Coated or Bare Steel None
 Pipe: Galvanized Steel None

MAP FINDINGS

Map ID Direction Distance Distance (ft.) Site	EDR ID Number
	U001110815

MAC'S CASINO & NEVADA CROSSING (Continued)

Facility ID:	6-000073	Tank ID:	3
Install Date:	04/21/1981	Tank Capacity:	20000
Tank Status:	Permanently Out of Use	Tank Substance:	Diesel
Material:		Upgrades of Material:	
Tank:	Asphalt Coated or Bare Steel	None	
Pipe:	Galvanized Steel	None	
Facility ID:	6-000073	Tank ID:	4
Install Date:	04/21/1981	Tank Capacity:	20000
Tank Status:	Permanently Out of Use	Tank Substance:	Diesel
Material:		Upgrades of Material:	
Tank:	Asphalt Coated or Bare Steel	None	
Pipe:	Galvanized Steel	None	
Facility ID:	6-000073	Tank ID:	5
Install Date:	04/21/1981	Tank Capacity:	20000
Tank Status:	Permanently Out of Use	Tank Substance:	Diesel
Material:		Upgrades of Material:	
Tank:	Asphalt Coated or Bare Steel	None	
Pipe:	Galvanized Steel	None	
Facility ID:	6-000073	Tank ID:	6
Install Date:	04/21/1981	Tank Capacity:	20000
Tank Status:	Permanently Out of Use	Tank Substance:	Diesel
Material:		Upgrades of Material:	
Tank:	Asphalt Coated or Bare Steel	None	
Pipe:	Galvanized Steel	None	
Facility ID:	6-000073	Tank ID:	7
Install Date:	04/21/1981	Tank Capacity:	10000
Tank Status:	Permanently Out of Use	Tank Substance:	Gasoline
Material:		Upgrades of Material:	
Tank:	Asphalt Coated or Bare Steel	None	
Pipe:	Galvanized Steel	None	
Facility ID:	6-000073	Tank ID:	8
Install Date:	04/21/1981	Tank Capacity:	10000
Tank Status:	Permanently Out of Use	Tank Substance:	Gasoline
Material:		Upgrades of Material:	
Tank:	Asphalt Coated or Bare Steel	None	
Pipe:	Galvanized Steel	None	
Facility ID:	6-000073	Tank ID:	9
Install Date:	04/21/1981	Tank Capacity:	10000
Tank Status:	Permanently Out of Use	Tank Substance:	Gasoline
Material:		Upgrades of Material:	
Tank:	Asphalt Coated or Bare Steel	Lined Interior	
Pipe:	Galvanized Steel	None	
Facility ID:	6-000073	Tank ID:	10
Install Date:	04/21/1981	Tank Capacity:	10000
Tank Status:	Permanently Out of Use	Tank Substance:	Diesel
Material:		Upgrades of Material:	
Tank:	Asphalt Coated or Bare Steel	None	
Pipe:	Galvanized Steel	None	

MAP FINDINGS

Map ID Direction Distance Distance (ft.)Site	EDR ID Number
Database(s)	EPA ID Number

MAC'S CASINO & NEVADA CROSSING (Continued)

U001110815

Facility ID:	6-000073	Tank ID:	11
Install Date:	04/21/1981	Tank Capacity:	10000
Tank Status:	Permanently Out of Use	Tank Substance:	Gasoline
Material:		Upgrades of Material:	
Tank:	Asphalt Coated or Bare Steel		None
Pipe:	Galvanized Steel		None

**12 7-ELEVEN #32130
4728 W CRAIG RD
LAS VEGAS, NV 89125** UST U003380907
N/A

UST:

Facility ID:	8-001777	Tank ID:	1
Install Date:	01/01/1996	Tank Capacity:	10000
Tank Status:	Currently in Use	Tank Substance:	Gasoline
Material:		Upgrades of Material:	
Tank:	Polyethylene Tank Jacket		Double-Walled
Pipe:	Flexible Plastic		Secondary Containment
Facility ID:	8-001777	Tank ID:	2
Install Date:	01/01/1996	Tank Capacity:	10000
Tank Status:	Currently in Use	Tank Substance:	Gasoline
Material:		Upgrades of Material:	
Tank:	Polyethylene Tank Jacket		Double-Walled
Pipe:	Flexible Plastic		Secondary Containment
Facility ID:	8-001777	Tank ID:	3
Install Date:	01/01/1996	Tank Capacity:	10000
Tank Status:	Currently in Use	Tank Substance:	Gasoline
Material:		Upgrades of Material:	
Tank:	Polyethylene Tank Jacket		Double-Walled
Pipe:	Flexible Plastic		Secondary Containment

**13 FERRARI'S CAR WASH
4895 E CRAIG RD
LAS VEGAS, NV 89115** UST U003380923
N/A

UST:

Facility ID:	8-001795	Tank ID:	1
Install Date:	01/01/1985	Tank Capacity:	300
Tank Status:	Permanently Out of Use	Tank Substance:	Used Oil
Material:		Upgrades of Material:	
Tank:	Not Listed		None
Pipe:	Unknown		None
Facility ID:	8-001795	Tank ID:	2
Install Date:	01/01/1978	Tank Capacity:	8000
Tank Status:	Temporarily Out of Use	Tank Substance:	Gasoline
Material:		Upgrades of Material:	
Tank:	Fiberglass Reinforced Plastic		Double-Walled
Pipe:	Fiberglass Reinforced Plastic		None

MAP FINDINGS

Map ID Direction Distance Distance (ft.) Site	EDR ID Number
Database(s)	EPA ID Number

FERRARI'S CAR WASH (Continued)

U003380923

Facility ID:	8-001795	Tank ID:	3
Install Date:	01/01/1978	Tank Capacity:	8000
Tank Status:	Temporarily Out of Use	Tank Substance:	Gasoline
Material:		Upgrades of Material:	
Tank:	Fiberglass Reinforced Plastic	Double-Walled	
Pipe:	Fiberglass Reinforced Plastic	None	
Facility ID:	8-001795	Tank ID:	4
Install Date:	01/01/1978	Tank Capacity:	8000
Tank Status:	Temporarily Out of Use	Tank Substance:	Gasoline
Material:		Upgrades of Material:	
Tank:	Fiberglass Reinforced Plastic	Double-Walled	
Pipe:	Fiberglass Reinforced Plastic	None	
Facility ID:	8-001795	Tank ID:	5
Install Date:	01/01/1978	Tank Capacity:	6000
Tank Status:	Temporarily Out of Use	Tank Substance:	Gasoline
Material:		Upgrades of Material:	
Tank:	Fiberglass Reinforced Plastic	Double-Walled	
Pipe:	Fiberglass Reinforced Plastic	None	

14

**RADAR HILL, TONOPAH AS
4349 DUFFER DRIVE
NELLIS AFB, NV 89191**

**UST U003379545
N/A**

UST:

Facility ID:	7-000767	Tank ID:	1
Install Date:	/ /	Tank Capacity:	300
Tank Status:	Permanently Out of Use	Tank Substance:	Diesel
Material:		Upgrades of Material:	
Tank:	Asphalt Coated or Bare Steel	None	
Pipe:	Bare Steel	None	
Facility ID:	7-000767	Tank ID:	2
Install Date:	/ /	Tank Capacity:	300
Tank Status:	Permanently Out of Use	Tank Substance:	Diesel
Material:		Upgrades of Material:	
Tank:	Asphalt Coated or Bare Steel	None	
Pipe:	Bare Steel	None	
Facility ID:	7-000767	Tank ID:	3
Install Date:	/ /	Tank Capacity:	600
Tank Status:	Permanently Out of Use	Tank Substance:	Diesel
Material:		Upgrades of Material:	
Tank:	Asphalt Coated or Bare Steel	None	
Pipe:	Bare Steel	None	
Facility ID:	7-000767	Tank ID:	4
Install Date:	/ /	Tank Capacity:	2000
Tank Status:	Permanently Out of Use	Tank Substance:	Diesel
Material:		Upgrades of Material:	
Tank:	Asphalt Coated or Bare Steel	None	
Pipe:	Bare Steel	None	

MAP FINDINGS

Map ID	Direction	Distance	Distance (ft.)	Site	EDR ID Number	Database(s)	EPA ID Number
15	GAS N JET 4180 LAS VEGAS BLVD NORTH LAS VEGAS, NV 89115				UST 1000960561 N/A		
	UST:						
	Facility ID: 8-001681	Install Date: 01/01/1988	Tank Status: Currently in Use	Material: Fiberglass Reinforced Plastic	Tank ID: 1	Tank Capacity: 12000	Tank Substance: Gasoline
	Pipe: Fiberglass Reinforced Plastic				Upgrades of Material: Double-Walled Double-Walled		
	Facility ID: 8-001681	Install Date: 01/01/1988	Tank Status: Currently in Use	Material: Fiberglass Reinforced Plastic	Tank ID: 2	Tank Capacity: 12000	Tank Substance: Gasoline
	Pipe: Fiberglass Reinforced Plastic				Upgrades of Material: Double-Walled Double-Walled		
	Facility ID: 8-001681	Install Date: 01/01/1988	Tank Status: Currently in Use	Material: Fiberglass Reinforced Plastic	Tank ID: 3	Tank Capacity: 12000	Tank Substance: Gasoline
	Pipe: Fiberglass Reinforced Plastic				Upgrades of Material: Double-Walled Double-Walled		
16	FACILITY #831 4551 DEVLIN DRIVE NELLIS AFB, NV 89191				UST U003380272 N/A		
	UST:						
	Facility ID: 8-000873	Install Date: 04/15/1961	Tank Status: Permanently Out of Use	Material: Asphalt Coated or Bare Steel	Tank ID: 1	Tank Capacity: 550	Tank Substance: Diesel
	Pipe: Bare Steel				Upgrades of Material: None Cathodically Protected		
	Facility ID: 8-000873	Install Date: 01/01/1984	Tank Status: Permanently Out of Use	Material: Asphalt Coated or Bare Steel	Tank ID: 2	Tank Capacity: 500	Tank Substance: Used Oil
	Pipe: Bare Steel				Upgrades of Material: None None		
16	FACILITY #2060 4551 DEVLIN DRIVE NELLIS AFB, NV 89191				UST U003380265 N/A		
	UST:						
	Facility ID: 8-000866	Install Date: 04/01/1971	Tank Status: Permanently Out of Use	Material: Asphalt Coated or Bare Steel	Tank ID: 1	Tank Capacity: 500	Tank Substance: Diesel
	Pipe: Bare Steel				Upgrades of Material: None None		

MAP FINDINGS

<u>Map ID</u>	<u>Direction</u>	<u>Distance</u>	<u>EDR ID Number</u>
<u>Distance (ft.)Site</u>		<u>Database(s)</u>	<u>EPA ID Number</u>
16	NELLIS AFB 4551 DEVLIN DR NELLIS AFB, NV 89191		UST U003762707 N/A
	UST:		
	Facility ID: 8-001818	Tank ID: 1	
	Install Date: 01/01/1985	Tank Capacity: 550	
	Tank Status: Permanently Out of Use	Tank Substance: Used Oil	
	Material:	Upgrades of Material:	
	Tank: Asphalt Coated or Bare Steel	None	
	Pipe: Bare Steel	None	
16	FACILITY 606 4551 DEVLIN DRIVE NELLIS AFB, NV 89191		UST U003380911 N/A
	UST:		
	Facility ID: 8-001783	Tank ID: 1	
	Install Date: / /	Tank Capacity: 500	
	Tank Status: Permanently Out of Use	Tank Substance: Used Oil	
	Material:	Upgrades of Material:	
	Tank: Asphalt Coated or Bare Steel	None	
	Pipe: Bare Steel	None	
	Facility ID: 8-001783	Tank ID: 2	
	Install Date: / /	Tank Capacity: 10000	
	Tank Status: Permanently Out of Use	Tank Substance: Gasoline	
	Material:	Upgrades of Material:	
	Tank: Asphalt Coated or Bare Steel	None	
	Pipe: Bare Steel	None	
	Facility ID: 8-001783	Tank ID: 3	
	Install Date: / /	Tank Capacity: 10000	
	Tank Status: Permanently Out of Use	Tank Substance: Gasoline	
	Material:	Upgrades of Material:	
	Tank: Asphalt Coated or Bare Steel	None	
	Pipe: Bare Steel	None	
	Facility ID: 8-001783	Tank ID: 4	
	Install Date: / /	Tank Capacity: 10000	
	Tank Status: Permanently Out of Use	Tank Substance: Gasoline	
	Material:	Upgrades of Material:	
	Tank: Asphalt Coated or Bare Steel	None	
	Pipe: Bare Steel	None	
	Facility ID: 8-001783	Tank ID: 5	
	Install Date: / /	Tank Capacity: 10000	
	Tank Status: Permanently Out of Use	Tank Substance: Gasoline	
	Material:	Upgrades of Material:	
	Tank: Asphalt Coated or Bare Steel	None	
	Pipe: Bare Steel	None	
16	USAF-NELLIS AFB - FAC #61647 4551 DEVLIN DR NELLIS AFB, NV 89191		UST U003380567 N/A

MAP FINDINGS

Map ID
Direction
Distance
Distance (ft.) Site

EDR ID Number

Database(s) EPA ID Number

USAF-NELLIS AFB - FAC #61647 (Continued)

U003380567

UST:

Facility ID:	8-001344
Install Date:	08/01/1992
Tank Status:	Currently in Use
Material:	
Tank:	Composite (Steel w/ FRP)
Pipe:	No Piping
Facility ID:	8-001344
Install Date:	08/01/1992
Tank Status:	Currently in Use
Material:	
Tank:	Composite (Steel w/ FRP)
Pipe:	No Piping
Facility ID:	8-001344
Install Date:	08/01/1992
Tank Status:	Currently in Use
Material:	
Tank:	Composite (Steel w/ FRP)
Pipe:	No Piping
Facility ID:	8-001344
Install Date:	08/01/1992
Tank Status:	Currently In Use
Material:	
Tank:	Composite (Steel w/ FRP)
Pipe:	No Piping

Tank ID: 1
Tank Capacity: 5000
Tank Substance: Used Oil
Upgrades of Material:
Double-Walled
None

Tank ID: 2
Tank Capacity: 5000
Tank Substance: Gasoline
Upgrades of Material:
Double-Walled
None

Tank ID: 3
Tank Capacity: 5000
Tank Substance: Gasoline
Upgrades of Material:
Double-Walled
None

Tank ID: 4
Tank Capacity: 5000
Tank Substance: Used Oil
Upgrades of Material:
Double-Walled
None

16 FACILITY #940
4551 DEVLIN DRIVE
NELLIS AFB, NV 89191

UST U003380286
N/A

UST:

Facility ID:	8-000887
Install Date:	04/15/1946
Tank Status:	Permanently Out of Use
Material:	
Tank:	Asphalt Coated or Bare Steel
Pipe:	Bare Steel
Facility ID:	8-000887
Install Date:	04/15/1946
Tank Status:	Permanently Out of Use
Material:	
Tank:	Asphalt Coated or Bare Steel
Pipe:	Bare Steel
Facility ID:	8-000887
Install Date:	04/15/1946
Tank Status:	Permanently Out of Use
Material:	
Tank:	Asphalt Coated or Bare Steel
Pipe:	Bare Steel

Tank ID: 1
Tank Capacity: 25000
Tank Substance: Diesel
Upgrades of Material:
None
None

Tank ID: 2
Tank Capacity: 25000
Tank Substance: Diesel
Upgrades of Material:
None
None

Tank ID: 3
Tank Capacity: 25000
Tank Substance: New Oil
Upgrades of Material:
None
None

MAP FINDINGS

Map ID	EDR ID Number
Direction	
Distance	
Distance (ft.)Site	
Database(s)	EPA ID Number

FACILITY #940 (Continued)

U003380286

Facility ID:	8-000887	Tank ID:	4
Install Date:	04/15/1946	Tank Capacity:	25000
Tank Status:	Permanently Out of Use	Tank Substance:	Gasoline
Material:		Upgrades of Material:	
Tank:	Asphalt Coated or Bare Steel	None	
Pipe:	Bare Steel	None	

UST:

Facility ID:	8-000892	Tank ID:	1
Install Date:	04/16/1951	Tank Capacity:	500
Tank Status:	Permanently Out of Use	Tank Substance:	Diesel
Material:		Upgrades of Material:	
Tank:	Asphalt Coated or Bare Steel	None	
Pipe:	Bare Steel	None	

16 4551 DEVLIN DR ERNS 94393139
4551 DEVLIN DR N/A
NELLIS AFB, NV 89191

UST:

Facility ID:	8-001782	Tank ID:	1
Install Date:	/ /	Tank Capacity:	750
Tank Status:	Permanently Out of Use	Tank Substance:	Other
Material:		Upgrades of Material:	
Tank:	Asphalt Coated or Bare Steel	None	
Pipe:	Bare Steel	None	

16 USAF- NELLIS AFB- FAC #2814 UST U003380274
4551 DEVLIN DR N/A
NELLIS AFB, NV 89191

UST:

Facility ID:	8-000875	Tank ID:	1
Install Date:	01/01/1986	Tank Capacity:	2000
Tank Status:	Currently in Use	Tank Substance:	Diesel
Material:	Fiberglass Reinforced Plastic	Upgrades of Material:	None
Tank:	No Piping	Pipe:	None

16 USAF - NELLIS AFB - FAC #890 UST U003380270
4551 DEVLIN DR N/A
NELLIS AFB NV 89191

MAP FINDINGS

Map ID Direction Distance Distance (ft.) Site	EDR ID Number
Database(s)	EPA ID Number

USAF - NELLIS AFB - FAC #890 (Continued)

U003380270

UST:

Facility ID:	8-000871	Tank ID:	1
Install Date:	04/15/1985	Tank Capacity:	25000
Tank Status:	Currently in Use	Tank Substance:	Diesel
Material:		Upgrades of Material:	
Tank:	Cathodically Protected Steel	None	
Pipe:	Bare Steel	Cathodically Protected	
Facility ID:	8-000871	Tank ID:	2
Install Date:	04/15/1985	Tank Capacity:	6000
Tank Status:	Currently in Use	Tank Substance:	Gasoline
Material:		Upgrades of Material:	
Tank:	Cathodically Protected Steel	None	
Pipe:	Bare Steel	Cathodically Protected	
Facility ID:	8-000871	Tank ID:	3
Install Date:	04/15/1985	Tank Capacity:	25000
Tank Status:	Currently in Use	Tank Substance:	Gasoline
Material:		Upgrades of Material:	
Tank:	Cathodically Protected Steel	None	
Pipe:	Bare Steel	Cathodically Protected	

16	FACILITY #2000 4551 DEVLIN DRIVE NELLIS AFB, NV 89191	UST	U003380288
			N/A
16	UST: 4551 DEVLIN DRIVE NELLIS AFB, NV 89191	UST	U003380284
			N/A
16	UST: 4551 DEVLIN DR E SIDE OF RUNWAY 4551 DEVLIN DR E SIDE OF RUNWAY NELLIS AFB, NV 89191	ERNS	94400661
			N/A
16	FACILITY #939 4551 DEVLIN DRIVE NELLIS AFB, NV 89191	UST	U003380263
			N/A

MAP FINDINGS

Map ID Direction Distance Distance (ft.)Site	EDR ID Number
Database(s)	EPA ID Number

FACILITY #939 (Continued)

U003380263

UST:

Facility ID:	8-000864	Tank ID:	1
Install Date:	04/15/1946	Tank Capacity:	25000
Tank Status:	Permanently Out of Use	Tank Substance:	Kerosene
Material:		Upgrades of Material:	
Tank:	Asphalt Coated or Bare Steel	Lined Interior	
Pipe:	Bare Steel	None	
Facility ID:	8-000864	Tank ID:	2
Install Date:	04/15/1946	Tank Capacity:	25000
Tank Status:	Permanently Out of Use	Tank Substance:	Kerosene
Material:		Upgrades of Material:	
Tank:	Asphalt Coated or Bare Steel	Lined Interior	
Pipe:	Bare Steel	None	
Facility ID:	8-000864	Tank ID:	3
Install Date:	04/15/1946	Tank Capacity:	25000
Tank Status:	Permanently Out of Use	Tank Substance:	Kerosene
Material:		Upgrades of Material:	
Tank:	Asphalt Coated or Bare Steel	Lined Interior	
Pipe:	Bare Steel	None	
Facility ID:	8-000864	Tank ID:	4
Install Date:	04/15/1946	Tank Capacity:	25000
Tank Status:	Permanently Out of Use	Tank Substance:	Kerosene
Material:		Upgrades of Material:	
Tank:	Asphalt Coated or Bare Steel	Lined Interior	
Pipe:	Bare Steel	None	
Facility ID:	8-000864	Tank ID:	5
Install Date:	04/15/1946	Tank Capacity:	25000
Tank Status:	Permanently Out of Use	Tank Substance:	Kerosene
Material:		Upgrades of Material:	
Tank:	Asphalt Coated or Bare Steel	Lined Interior	
Pipe:	Bare Steel	None	
Facility ID:	8-000864	Tank ID:	6
Install Date:	04/15/1946	Tank Capacity:	25000
Tank Status:	Permanently Out of Use	Tank Substance:	Kerosene
Material:		Upgrades of Material:	
Tank:	Asphalt Coated or Bare Steel	Lined Interior	
Pipe:	Bare Steel	None	

16

**NELLIS AIR FORCE BASE
4551 DEVLIN DRIVE
LAS VEGAS, NV 89191**

**SHWS S103876935
N/A**

SHWS:

Facility ID:	H-000484
Responsible Party Name:	Not reported
Responsible Party Address:	Not reported
Activity Event Number:	Not reported
Activity ID:	1
Type of Activity:	Confirmed Release
Date Release Reported to NDEP:	Not reported
Petroleum Fund ID:	Not reported
Emergency Mngmnt Tracking #:	Not reported
Location of Paper File:	NDEP: Las Vegas

MAP FINDINGS

Map ID Direction Distance Distance (ft.)Site	EDR ID Number
Database(s)	EPA ID Number

NELLIS AIR FORCE BASE (Continued)

S103876935

Type of Media Impacted:	Not reported
Type of Container:	Not reported
Substance Released:	Not reported
Description of Contaminant:	Not reported
Date of Closure:	Not reported
Regulatory Type of Closure:	Not reported
Nevada Certified Manager Conducting Clean-up:	
Name:	Not reported
Address:	Not reported
Telephone:	Not reported

Modification of the discrete activity:

16 USAF-NELLIS AFB- FAC #941 UST U003380282
4551 DEVLIN DR N/A
NELLIS AFB, NV 89191

UST:

Facility ID:	8-000883	Tank ID:	1
Install Date:	01/01/1951	Tank Capacity:	50000
Tank Status:	Currently in Use	Tank Substance:	Kerosene
Material:		Upgrades of Material:	
Tank:	Cathodically Protected Steel	Lined Interior	
Pipe:	Bare Steel	Cathodically Protected	
Facility ID:	8-000883	Tank ID:	2
Install Date:	01/01/1951	Tank Capacity:	50000
Tank Status:	Currently in Use	Tank Substance:	Kerosene
Material:		Upgrades of Material:	
Tank:	Cathodically Protected Steel	Lined Interior	
Pipe:	Bare Steel	Cathodically Protected	
Facility ID:	8-000883	Tank ID:	3
Install Date:	01/01/1951	Tank Capacity:	50000
Tank Status:	Currently in Use	Tank Substance:	Kerosene
Material:		Upgrades of Material:	
Tank:	Cathodically Protected Steel	Lined Interior	
Pipe:	Bare Steel	Cathodically Protected	

16 4551 DEVLIN DRIVE, BUILDING 8H ON BASE ERNS 94397427
4551 DEVLIN DRIVE, BUILDING 8H ON BASE N/A
NELLIS, NV

16 NELLIS AFB LANDFILL #4 (NEW FA SWF/LF S104816074
4551 DEVLIN DRIVE N/A
NELLIS AFB, NV

LF:

Status:	Open	Date Closed:	10/09/93
Legal Descripnt:	T19S R62E Sec.25	Population:	1192200
Class Type:	III	Owner Type:	Government
Disposal Rate:	0 (Tons/Day)	Permitted:	True
Operator:	Not reported		
UTM North:	Not reported	UTM East:	0
Contact:	Eloisa Hopper, Dir. Env. Mgt. 652-3351 4551 Devlin Dr., Nellis AFB, NV 89191		

MAP FINDINGS

Map ID Direction Distance Distance (ft.)Site	EDR ID Number	Database(s)	EPA ID Number
16 FACILITY #460 4551 DEVLIN DRIVE NELLIS AFB, NV 89191		UST	U003380271 N/A
UST: Facility ID: 8-000872 Install Date: 04/15/1961 Tank Status: Permanently Out of Use Material: Tank: Asphalt Coated or Bare Steel Pipe: Unknown		Tank ID: 1 Tank Capacity: 1000 Tank Substance: Diesel Upgrades of Material: None None	
Facility ID: 8-000872 Install Date: 01/01/1981 Tank Status: Permanently Out of Use Material: Tank: Concrete Pipe: Bare Steel		Tank ID: 2 Tank Capacity: 1000 Tank Substance: Other Upgrades of Material: None None	
17 4203 PARAMOUNT STREET 4203 PARAMOUNT STREET LAS VEGAS, NV		ERNS	93339800 N/A
18 2 MILES NORTH OF NELLIS AFB AREA 2 2 MILES NORTH OF NELLIS AFB AREA 2 NELLIS AFB, NV		ERNS	8855847 N/A
18 USAF NELLIS AFB AUTO HOBBY SHOP BLDG 840 NELLIS AIR FORCE BASE, NV 89191		RCRIS-SQG	1000286507
		FINDS	NV5570090022
RCRIS: Owner: NELLIS AFB LAS VEGAS (415) 555-1212			
Contact: ELOISA HOPPER (702) 643-2284			
Record Date: 07/05/1994			
Classification: Small Quantity Generator			
Used Oil Recyc: No			
Violation Status: No violations found			
FINDS:			
Other Pertinent Environmental Activity Identified at Site:			
AIRS Facility System (AIRS/AFS)			
Biennial Reporting System (BRS)			
Comprehensive Environmental Response, Compensation and Liability Information System (CERCLIS)			
Facility Registry System (FRS)			
National Compliance Database (NCDB)			
PCB Handler Activity Data System (PADS)			
Resource Conservation and Recovery Act Information system (RCRAINFO)			
SDWIS(WS)			
Toxic Chemical Release Inventory System (TRIS)			

MAP FINDINGS

Map ID	Direction	Distance	Distance (ft.)	Site	EDR ID Number	Database(s)	EPA ID Number
18				BLDG 71 INDIAN SPRINGS AFB BLDG 71 INDIAN SPRINGS AFB INDIAN SPRINGS, NV 89191	ERNS 92298598 N/A		
18				USAF NELLIS AFB BLDG 448 BUILDING 448 NELLIS AFB, NV 89191	RCRIS-LQG 1000286506 NV4570090023		
				RCRIS: Owner: US GOVERNMENT (415) 555-1212 Contact: ELOISA HOPPER (702) 643-6704 Record Date: 07/05/1994 Classification: Large Quantity Generator Used Oil Recyc: No Violation Status: No violations found			
18				FORD AEROSPACE AREA 3 BLDG 1020 NELLIS AIR FORCE BASE, NV 89191	RCRIS-SQG 1000182591 NV6570090021		
				RCRIS: Owner: USAF (415) 555-1212 Contact: MICHAEL F FUKEY (702) 652-6106 Record Date: 12/30/1996 Classification: Small Quantity Generator Used Oil Recyc: No Violation Status: No violations found			
18				NELLIS AFB , AIRCRAFT PARKING APRON NELLIS AFB , AIRCRAFT PARKING APRON LAS VEGAS, NV	ERNS 8851676 N/A		
18				NELLIS AFB TARMACK NELLIS AFB TARMACK LAS VEGAS, NV 89191	ERNS 92266202 N/A		
18				NELLIS AFB NELLIS AFB LAS VEGAS, NV	ERNS 92256893 N/A		
18				FACILITY 941 NELLIS AFB FACILITY 941 NELLIS AFB LAS VEGAS, NV	ERNS 90466057 N/A		

MAP FINDINGS

Map ID Direction Distance Distance (ft.)Site	EDR ID Number
	Database(s) EPA ID Number
18 NELLIS AFB TONOPHIA TEST RANGE NELLIS AFB TONOPHIA TEST RANGE LAS VEGAS, NV 89191	ERNS 92261099 N/A
18 FWC/EV NELLIS AFB FWC/EV NELLIS AFB LAS VEGAS, NV 89191	ERNS 92266176 N/A
18 FACILITY 941 NELLIS AFB FACILITY 941 NELLIS AFB LAS VEGAS, NV	ERNS 90186566 N/A
18 NELLIS AFB POINT BRAVO ON THE BASE RANGE NELLIS AFB POINT BRAVO ON THE BASE RANGE LAS VEGAS, NV 89191	ERNS 92293666 N/A
18 BLDG 810 NELLIS AFB BLDG 810 NELLIS AFB LAS VEGAS, NV 89191	ERNS 92281440 N/A
19 3781 LAS VEGAS BLVD. 3781 LAS VEGAS BLVD. LAS VEGAS, NV -	ERNS 92297763 N/A
20 SAME AS 8000353 3735 N NELLIS BLVD LAS VEGAS, NV 89115	UST U003380796 N/A
UST: Facility ID: 8-001616 Install Date: / / Tank Status: Not reported Material: Tank: Not reported Pipe: Not reported	Tank ID: 0 Tank Capacity: 0 Tank Substance: Not reported Upgrades of Material: Not reported Not reported
20 NEW NELLIS THRIFTY MART 3735 N NELLIS BLVD LAS VEGAS, NV 89115	UST U003379838 N/A
UST: Facility ID: 8-000353 Install Date: 01/24/1984 Tank Status: Currently In Use Material: Tank: Fiberglass Reinforced Plastic Pipe: Fiberglass Reinforced Plastic	Tank ID: 1 Tank Capacity: 12000 Tank Substance: Gasoline Upgrades of Material: None None
Facility ID: 8-000353 Install Date: 01/24/1984 Tank Status: Currently In Use Material: Tank: Fiberglass Reinforced Plastic Pipe: Fiberglass Reinforced Plastic	Tank ID: 2 Tank Capacity: 12000 Tank Substance: Gasoline Upgrades of Material: None None

MAP FINDINGS

Map ID	EDR ID Number
Direction	
Distance	
Distance (ft.)Site	Database(s) EPA ID Number

NEW NELLIS THRIFTY MART (Continued)

U003379838

Facility ID:	8-000353	Tank ID:	3
Install Date:	01/24/1984	Tank Capacity:	12000
Tank Status:	Currently In Use	Tank Substance:	Diesel
Material:		Upgrades of Material:	
Tank:	Fiberglass Reinforced Plastic	None	
Pipe:	Fiberglass Reinforced Plastic	None	

21 USAF NELLIS RANGE COMPLEX RCRIS-LQG 1000882036
3770 DUFFER DR NV5570024112
NELLIS AFB, NV 89191

RCRIS:
 Owner: U S AIR FORCE
 (702) 652-5370

Contact: MICHAEL F FUKEY
 (702) 652-4123

Record Date: 10/22/1998
 Classification: Large Quantity Generator

BIENNIAL REPORTS:

Last Biennial Reporting Year: 1999

Waste	Quantity (Lbs)	Waste	Quantity (Lbs)
D001	777.00	D002	319.00
D003	43.00	D005	366.00
D006	430.00	D007	385.00
D008	532.00	D009	461.00
D010	150.00	D018	260.00
D035	212.00	D039	94.00
D040	69.00	F003	25.00
F005	29.00	P042	0.00
U011	3.00	U151	1.00
U248	0.00	U411	1.00

Used Oil Recyc: No

Violation Status: Violations exist

Regulation Violated: Not reported

Area of Violation: TSD-Other Requirements

Date Violation Determined: 04/27/1988

Priority of Violation: Low

Schedule Date to Achieve Compliance: 07/18/1988

Actual Date Achieved Compliance: 04/25/1989

Enforcement Action: Written Informal

Enforcement Action Date: 07/18/1988

Proposed Monetary Penalty: Not reported

Final Monetary Penalty: Not reported

Regulation Violated: Not reported

Area of Violation: TSD-Other Requirements

Date Violation Determined: 05/14/1987

Priority of Violation: Low

Schedule Date to Achieve Compliance: 06/14/1987

Actual Date Achieved Compliance: 04/27/1988

Enforcement Action: Written Informal

Enforcement Action Date: 05/14/1987

Proposed Monetary Penalty: Not reported

Final Monetary Penalty: Not reported

MAP FINDINGS

Map ID		EDR ID Number
Direction		
Distance		
Distance (ft.)Site		
	Database(s)	EPA ID Number

USAF NELLIS RANGE COMPLEX (Continued)

1000882036

Regulation Violated: Not reported
Area of Violation: Generator-All Requirements
Date Violation Determined: 07/18/1991
Priority of Violation: Low
Schedule Date to Achieve Compliance: 08/15/1991
Actual Date Achieved Compliance: 08/15/1991

There are 3 violation record(s) reported at this site:

Evaluation	Area of Violation	Date of Compliance
Compliance Evaluation Inspection (CEI)	Generator-All Requirements	08/15/1991
Compliance Evaluation Inspection (CEI)	TSD-Other Requirements	04/25/1989
Compliance Evaluation Inspection (CEI)	TSD-Other Requirements	04/27/1988

22 **FAST 1 HOUR FOTO INC**
 700 S BOULDER HWY C 5
 HENDERSON, NV 89105

RCRIS:
Owner: FAST FOTO INC
 (415) 555-1212

Contact: ENVIRONMENTAL MANAGER
 (602) 840-3366

Record Date: 05/24/1990
Classification: Small Quantity Generator
Used Oil Recyc: No

Violation Status: No violations found

RCRIS-SQG 1000390782
FINDS NVD982490B31

FINDS:
Other Pertinent Environmental Activity Identified at Site:
Resource Conservation and Recovery Act Information system (RCRAINFO)

23 7-ELEVEN #15449 UST U003380041
3589 N NELLIS BLVD N/A
LAS VEGAS, NV 89115

UST:

Facility ID:	8-000596	Tank ID:	1
Install Date:	04/16/1985	Tank Capacity:	10000
Tank Status:	Currently in Use	Tank Substance:	Gasoline
Material:		Upgrades of Material:	
Tank:	Fiberglass Reinforced Plastic	None	
Pipe:	Fiberglass Reinforced Plastic	None	

Facility ID: 8-000596 Tank ID: 2
Install Date: 04/16/1985 Tank Capacity: 10000
Tank Status: Currently in Use Tank Substance: Gasoline
Material:
Tank: Fiberglass Reinforced Plastic None
Pipe: Fiberglass Reinforced Plastic None

MAP FINDINGS

Map ID	EDR ID Number
Direction	
Distance	
Distance (ft.) Site	

7-ELEVEN #15449 (Continued)

U003380041

Facility ID:	8-000596	Tank ID:	3
Install Date:	04/16/1985	Tank Capacity:	10000
Tank Status:	Currently in Use	Tank Substance:	Gasoline
Material:		Upgrades of Material:	
Tank:	Fiberglass Reinforced Plastic	None	
Pipe:	Fiberglass Reinforced Plastic	None	

**23 7-ELEVEN #15449
3589 NORTH NELLIS BOULEVARD
LAS VEGAS, NV**

**LUST S105173962
N/A**

LUST:

Facility ID:	8-000596
Potential Responsible Party:	Bob DeNinno
PRP Company:	Not reported
PRP Address:	10220 SW Greenburg Road, Suite Portland, OR 97223
Activity Event Number:	Not reported
Activity ID:	1
Type of Activity:	Confirmed Release
Date Reported to NDEP:	10-Dec-01
Petroleum Fund ID:	Not reported
Emergency Mngmnt Tracking #:	Not reported
Location of Paper File:	NDEP: Las Vegas
Type of Media Impacted:	Soil
Type of Container:	UST
Substance Released:	Gasoline
Description of Contaminant:	Not reported
Date of Closure:	Not reported
Regulatory Type of Closure:	Not reported
Nevada Certified Manager Conducting Clean-up:	
Company:	SECOR International Incorporated
Company Name:	Not reported
Company Address:	Not reported
Telephone:	702-798-3911

**24 3241 N. NELLIS BLVD.
3241 N. NELLIS BLVD.
LAS VEGAS, NV**

**ERNS 93455919
N/A**

**25 REBEL OIL #39
3191 N NELLIS BLVD
LAS VEGAS, NV 89102**

**UST U003379976
N/A**

UST:

Facility ID:	8-000522	Tank ID:	1
Install Date:	04/01/1985	Tank Capacity:	12000
Tank Status:	Currently in Use	Tank Substance:	Gasoline
Material:		Upgrades of Material:	
Tank:	Composite (Steel w/ FRP)	None	
Pipe:	Fiberglass Reinforced Plastic	None	

MAP FINDINGS

Map ID Direction Distance Distance (ft.)Site	EDR ID Number
	Database(s) EPA ID Number

REBEL OIL #39 (Continued)

U003379976

Facility ID:	8-000522	Tank ID:	2
Install Date:	04/01/1985	Tank Capacity:	12000
Tank Status:	Currently in Use	Tank Substance:	Gasohol
Material:		Upgrades of Material:	
Tank:	Epoxy Coated Steel	None	
Pipe:	Fiberglass Reinforced Plastic	None	
Facility ID:	8-000522	Tank ID:	3
Install Date:	04/01/1985	Tank Capacity:	12000
Tank Status:	Currently in Use	Tank Substance:	Gasohol
Material:		Upgrades of Material:	
Tank:	Epoxy Coated Steel	None	
Pipe:	Fiberglass Reinforced Plastic	None	
Facility ID:	8-000522	Tank ID:	4
Install Date:	04/01/1985	Tank Capacity:	12000
Tank Status:	Currently in Use	Tank Substance:	Gasohol
Material:		Upgrades of Material:	
Tank:	Epoxy Coated Steel	None	
Pipe:	Fiberglass Reinforced Plastic	None	
Facility ID:	8-000522	Tank ID:	5
Install Date:	04/01/1985	Tank Capacity:	12000
Tank Status:	Currently in Use	Tank Substance:	Gasohol
Material:		Upgrades of Material:	
Tank:	Epoxy Coated Steel	None	
Pipe:	Fiberglass Reinforced Plastic	None	

26

QUICK'S RADIATOR & MUFFLER #2
3071 NORTH NELLIS BOULEVARD
LAS VEGAS, NV

SHWS S103877002
N/A

SHWS:

Facility ID:	H-000608
Responsible Party Name:	Not reported
Responsible Party Address:	Not reported
Activity Event Number:	Not reported
Activity ID:	1
Type of Activity:	Confirmed Release
Date Release Reported to NDEP:	Not reported
Petroleum Fund ID:	Not reported
Emergency Mngmnt Tracking #:	Not reported
Location of Paper File:	NDEP: Carson City
Type of Media Impacted:	Soil
Type of Container:	Not reported
Substance Released:	Metals
Description of Contaminant:	Lead
Date of Closure:	03-Nov-92
Regulatory Type of Closure:	Not reported
Nevada Certified Manager Conducting Clean-up:	
Name:	Not reported
Address:	Not reported
Telephone:	Not reported

Modification of the discrete activity:

MAP FINDINGS

Map ID Direction Distance Distance (ft.)Site	EDR ID Number
	Database(s) EPA ID Number

26	QUICKS RADIATOR NO 2 3071 N NELLIS BLVD LAS VEGAS, NV 89115	RCRIS-SQG 1000693445 FINDS NVD986774412
-----------	--	--

RCRIS:

Owner: RAY PERRY
(702) 876-9963

Contact: THOMAS HEMMINGS
(702) 644-1193

Record Date: 07/08/1992

Classification: Conditionally Exempt Small Quantity Generator, Hazardous Waste Transporter

Used Oil Recyc: No

Violation Status: No violations found

FINDS:

Other Pertinent Environmental Activity Identified at Site:

Facility Registry System (FRS)

Resource Conservation and Recovery Act Information system (RCRAINFO)

27	3080 RINGE LANE 3080 RINGE LANE LAS VAGAS, NV 89156	ERNS 99646245 N/A
-----------	--	------------------------------------

ORPHAN SUMMARY

City	EDR ID	Site Name	Site Address	Zip	Database(s)	Facility ID
CLARK COUNTY	S103877288	BEKINS VAN LINES	INTERSTATE 15		SHWS	
CLARK COUNTY	S103877284	WERNER ENTERPRISES SPILL	INTERSTATE 15		SHWS	
CLARK COUNTY	S103877312	SIERRA RANCH TRUCK SPILL	INTERSTATE 15 (8.5 MILES N OF		SHWS	
CLARK COUNTY	S103877084	DONCO CARRIERS	INTERSTATE 15 NEAR UTE EXIT		SHWS	
CLARK COUNTY	S103877114	LYNN TRANSPORTATION	INTERSTATE 15 NEAR MILE MARKER		SHWS	
CLARK COUNTY	S103877205	QUE WEST TRANSPORT	INTERSTATE 15 @ MILE MARKER 24		SHWS	
CLARK COUNTY	S104179061	INTERPOINT TRANSPORTATION, INC	INTERSTATE 15 @ APEX EXIT (#64		SHWS	
CLARK COUNTY	S104179090	FNF CONSTRUCTION	INTERSTATE 15 @ MILE MARKER 44		SHWS	
CLARK COUNTY	S103877178	COOL TRANSPORTS	HIGHWAY 93 BOULDER CITY		SHWS	
CLARK COUNTY	S103877269	AMERICAN SAFETY INSTITUTE	I-95 AND 93 (KYLE CANYON RD)		SHWS	
CLARK COUNTY	S103877212	NEVADA CO-GENERATION	APEX SITE		SHWS	
CLARK COUNTY	S103877068	NELLIS AIR FORCE BASE	AREA 2, TANK 10-118		SHWS	
CLARK COUNTY	S103877091	INDIAN SPRINGS AIR FORCE BASE	BOX CANYON		SHWS	
CLARK COUNTY	S104179075	NELLIS AIR FORCE BASE	BUILDING #415		SHWS	
CLARK COUNTY	S103877416	NELLIS AIR FORCE BASE	CAMP COBRA - AREA 2		SHWS	
CLARK COUNTY	S103877116	SOUTHERN CALIFORNIA EDISON COM	EL DORADO SUBSTATION		SHWS	
CLARK COUNTY	S103877126	MCCULLOUGH SWITCHING STATION	ELDORADO VALLEY, 15 MILES SW		SHWS	
CLARK COUNTY	S103877305	TRUCK SPILL	LAKE MEAD BOULEVARD NEAR GOLDA		SHWS	
CLARK COUNTY	S103877185	BLM LONE MOUNTAIN GRAVEL PIT	LONE MOUNTAIN		SHWS	
CLARK COUNTY	S104179065	NELLIS AIR FORCE BASE	60 MILES EAST OF TONOPAH		SHWS	
CLARK COUNTY	S104179096	BLM (UNKNOWN DUMPING)	NEXT TO NELLIS AIR FORCE BASE		SHWS	
CLARK COUNTY	S103877161	U.S. BUREAU OF LAND MANAGEMENT	PUBLIC LANDS		SHWS	
CLARK COUNTY	S103877168	NELLIS AIR FORCE BASE	REVENTMENT AREAS		SHWS	
CLARK COUNTY	S104916099	LEE CANYON FIRE STATION	STATE ROUTE 156		SHWS	
LAS VEGAS	S103876918	NELLIS AIR FORCE BASE	#10207, #10236, #10250	89191	SHWS	
LAS VEGAS	S103876894	NELLIS AIR FORCE BASE	#1024	89191	SHWS	
LAS VEGAS	S103876895	NELLIS AIR FORCE BASE	#1100	89191	SHWS	
LAS VEGAS	S103876896	NELLIS AIR FORCE BASE	#1110	89191	SHWS	
LAS VEGAS	S103876897	NELLIS AIR FORCE BASE	#1602	89191	SHWS	
LAS VEGAS	S103876898	NELLIS AIR FORCE BASE	#1709	89191	SHWS	
LAS VEGAS	S103876899	NELLIS AIR FORCE BASE	#1730	89191	SHWS	
LAS VEGAS	S103876892	NELLIS AIR FORCE BASE	#1745	89191	SHWS	
LAS VEGAS	S103876901	NELLIS AIR FORCE BASE	#201	89191	SHWS	
LAS VEGAS	S103876091	NELLIS AIR FORCE BASE	#216	89191	SHWS	
LAS VEGAS	S103876870	NELLIS AIR FORCE BASE - INDI	#2275	89191	SHWS	
LAS VEGAS	S103876904	NELLIS AIR FORCE BASE	#523	89191	SHWS	
LAS VEGAS	S103876905	NELLIS AIR FORCE BASE	#589	89191	SHWS	
LAS VEGAS	S103876889	NELLIS AIR FORCE BASE	#606A, #606B, #606C	89191	SHWS	
LAS VEGAS	S103876890	NELLIS AIR FORCE BASE	#620	89191	SHWS	
LAS VEGAS	S103876883	NELLIS AIR FORCE BASE - INDI	#635A	89191	SHWS	
LAS VEGAS	S103876891	NELLIS AIR FORCE BASE	#709	89191	SHWS	
LAS VEGAS	S103876888	NELLIS AIR FORCE BASE - INDI	#71	89191	SHWS	
LAS VEGAS	S103876916	NELLIS AIR FORCE BASE	#745	89191	SHWS	

ORPHAN SUMMARY

City	EDR ID	Site Name	Site Address	Zip	Database(s)	Facility ID
LAS VEGAS	S103876893	NELLIS AIR FORCE BASE	#839	89191	SHWS	
LAS VEGAS	S103876871	NELLIS AIR FORCE BASE - INDI	#85	89191	SHWS	
LAS VEGAS	S104916110	ROYAL EXPRESS, INC.	INTERSTATE 15 @ U.S. HIGHWAY 9		SHWS	
LAS VEGAS	S104916113	FREDRICKSEN TANK LINES SPILL	INTERSTATE 15 @ SAHARA AVENUE		SHWS	
LAS VEGAS	S104916114	WESTERN TRANSPORT SPILL	INTERSTATE 15 @ U.S. HIGHWAY 9		SHWS	
LAS VEGAS	S104535007	WILLS TRANSPORTATION	INTERSTATE 15 @ MILE MARKER 28		SHWS	
LAS VEGAS	S103876980	SPRING MOUNTAIN INTERCHANGE	INTERSTATE 15 AND SPRING MOUNT		SHWS	
LAS VEGAS	S103877073	WERNER ENTERPRISES	INTERSTATE 15 NEAR BOOMTOWN CA		SHWS	
LAS VEGAS	S103877087	PAN WESTERN CORPORATION	INTERSTATE 15		SHWS	
LAS VEGAS	S103877143	KNIGHT TRANSPORTATION	INTERSTATE 15 @ MILE MARKER 6		SHWS	
LAS VEGAS	S103877180	CELAUDON TRUCKING SERVICES	INTERSTATE 15 @ MILE MARKER 28		SHWS	
LAS VEGAS	S103877193	LAS VEGAS SPEEDWAY	INTERSTATE 15 @ LAS VEGAS BOUL		SHWS	
LAS VEGAS	S103877260	PROSOURCE DISTRIBUTION	INTERSTATE 15 @ MILE MARKER 54		SHWS	
LAS VEGAS	S103877262	INTERMOUNTAIN RIGGING	INTERSTATE 15 @ LAKE MEAD BOUL		SHWS	
LAS VEGAS	S103877291	APEX LANDFILL	INTERSTATE 15 AND HIGHWAY 93		SHWS, LUST	H-001302
LAS VEGAS	S103877394	MCCULLEY TRUCKING ACCIDENT	INTERSTATE 15 @ TROPICANA AVEN		SHWS	
LAS VEGAS	S104179062	BEST ROCK	INTERSTATE 15 @ EXIT 215		SHWS	
LAS VEGAS	S104179064	FRANCISCO MADNGAL TRUCKING	INTERSTATE 15 @ O STREET		SHWS	
LAS VEGAS	S104179069	A. GALLEGOS TRUCKING	INTERSTATE 15 @ CHARLESTON BOU		SHWS	
LAS VEGAS	S104179116	MILLER BROTHERS EXPRESS ACCIDE	INTERSTATE 15 @ WASHINGTON AVE		SHWS	
LAS VEGAS	S104736152	PARK COX TRUCKING	INTERSTATE 15 @ MILE MARKER 11		SHWS	
LAS VEGAS	S104736158	WERNER TRUCKING	INTERSTATE 15 @ MILE MARKER 55		SHWS	
LAS VEGAS	S103877145	UNITED PARCEL SERVICE	INTERSTATE 15, 1/2 MILE S OF R		SHWS	
LAS VEGAS	S104736162	CORE MARK TRUCKING ACCIDENT	HIGHWAY 160 @ MILE MARKER 9		SHWS	
LAS VEGAS	S104535024	USF BESTWAY TRUCKING COMPANY	INTERSTATE 215 @ WARM SPRINGS		SHWS	
LAS VEGAS	S103877417	VEHICLE ACCIDENT	HIGHWAY 215 (SUNSET/WRM SP		SHWS	
LAS VEGAS	S104395907	D. HILL TRUCKING	INTERSTATE 80 AT RUSSELL EXIT		SHWS	
LAS VEGAS	S104179115	SWIFT TRANSPORTATION ACCIDENT	INTERSTATE 80 @ WASHINGTON AVE		SHWS	
LAS VEGAS	S103877082	GORDIN TRUCKING	INTERSTATE 93 @ MILE MARKER 67		SHWS	
LAS VEGAS	S103876844	LONE MOUNTAIN	INTERSTATE 95		SHWS	
LAS VEGAS	92256595	ALL EIGHT LOCATIONS IN THE GREATER LAS VEGAS AREA	ALL EIGHT LOCATIONS IN THE GREATER LAS VEGAS AREA		ERNS	
LAS VEGAS	S105114704	CITY OF LAS VEGAS	ALLEY BETWEEN 302/304 CARSON S		SHWS	
LAS VEGAS	S103877199	C&W ENTERPRISES	ALTA DRIVE AND HUALPAI		SHWS	
LAS VEGAS	S103877246	MEADOWS DETENTION BASIN PROJEC	ALTA/DECATUR STORM DRAIN		SHWS	
LAS VEGAS	S103876827	TRUCK SPILL	H AND OWENS STREET		SHWS	
LAS VEGAS	S103877250	NEVADA READY MIX	I-95 AND LONE MOUNTAIN ROAD		SHWS	
LAS VEGAS	S103877304	LEAKING TRANSFORMERS	712 AND 804 DELORES DRIVE		SHWS	
LAS VEGAS	S103877402	MAIN GORMAN & COMPANY	6TH AND GASS (NW CORNER)		SHWS	
LAS VEGAS	S103875840	CHEMSTAR LIME COMPANY	APEX		SHWS	
LAS VEGAS	S103877027	DESERT MOUNTAIN OIL (FORMER S	ARDEN		SHWS	
LAS VEGAS	S103877028	KEPIC PROPERTY	ARDEN		SHWS	
LAS VEGAS	S103877029	JAKE'S CRANE AND RIGGING	ARDEN		SHWS	
LAS VEGAS	S103877040	DESERT MOUNTAIN OIL (PRESENT S	ARDEN		SHWS	
LAS VEGAS	94397446	AREA 27, REECO SITE MAINTENANCE YARD, CONCRETE STORAGE AREA	AREA 27, REECO SITE MAINTENANCE YARD, CONCRETE STORAGE AREA		ERNS	
LAS VEGAS	94365565	AREA 25, BLDG 25-3102	AREA 25, BLDG 25-3102		ERNS	

ORPHAN SUMMARY

City	EDR ID	Site Name	Site Address	Zip	Database(s)	Facility ID
LAS VEGAS	94363512	AREA 23 SALVAGE YARD.	AREA 23 SALVAGE YARD.		ERNS	
LAS VEGAS	94363507	AREA 23 SALVAGE YARD.	AREA 23 SALVAGE YARD.		ERNS	
LAS VEGAS	93349469	AREA G, HELICOPTER PAD, NEVADA TEST SITE	AREA G, HELICOPTER PAD, NEVADA TEST SITE		ERNS	
LAS VEGAS	S103876216	NELLIS AIR FORCE BASE	AREA 2, TANK 10-322	89191	SHWS, LUST	H-000424
LAS VEGAS	S103877150	TROPICANA DETENTION BASIN	ARVILLE AND OCENDO STREETS		SHWS	
LAS VEGAS	S104179085	D. I. ARTERIAL	BETWEEN SWENSON AND PARADISE		SHWS	
LAS VEGAS	S103876858	PABCO GYPSUM MINE	BLACK MOUNTAIN AREA	89115	SHWS	
LAS VEGAS	S103877285	YMCA	5800 BLOCK EMERALD		SHWS	
LAS VEGAS	S103876941	NELLIS AIR FORCE BASE	BOMBER REVETMENT	89191	SHWS	
LAS VEGAS	S103877261	VISION TRANSPORTATION	BONANZA ROAD AND PECOS ROAD		SHWS	
LAS VEGAS	S103877315	VANDY'S TRANSFER INC. (SPILL)	EAST BOUND SUMMERLIN PR		SHWS	
LAS VEGAS	S103877945	NELLIS AIR FORCE BASE/AREA II	BUILDING #10413	89191	LUST	H-000408
LAS VEGAS	S103877944	NELLIS AIR FORCE BASE/AREA II	BUILDING #10116	89191	LUST	H-000407
LAS VEGAS	S103876238	NELLIS AIR FORCE BASE	BUILDING #606	89191	SHWS	
LAS VEGAS	S103876864	NELLIS AIR FORCE BASE	BUILDING #567	89191	SHWS	
LAS VEGAS	S103876867	NELLIS AIR FORCE BASE	BUILDING #2354	89191	SHWS	
LAS VEGAS	S103876869	NELLIS AIR FORCE BASE - INDI	BUILDING #650	89191	SHWS	
LAS VEGAS	S103876877	NELLIS AIR FORCE BASE - FEDE	BUILDING #10237	89191	SHWS	
LAS VEGAS	S103876878	NELLIS AIR FORCE BASE	BUILDING #10207	89191	SHWS	
LAS VEGAS	S103876880	NELLIS AIR FORCE BASE	BUILDING #10403	89191	SHWS	
LAS VEGAS	S103876881	NELLIS AIR FORCE BASE	BUILDING #10405	89191	SHWS	
LAS VEGAS	S103876882	NELLIS AIR FORCE BASE	BUILDING #10414	89191	SHWS	
LAS VEGAS	S103876888	NELLIS AIR FORCE BASE	BUILDING #10107	89191	SHWS	
LAS VEGAS	S103876887	NELLIS AIR FORCE BASE	BUILDING #10112	89191	SHWS	
LAS VEGAS	S103876900	NELLIS AIR FORCE BASE	BUILDING #196 AND #200	89191	SHWS	
LAS VEGAS	S103876902	NELLIS AIR FORCE BASE	BUILDING #275	89191	SHWS	
LAS VEGAS	S103876919	NELLIS AIR FORCE BASE - INDI	BUILDING #229	89191	SHWS	
LAS VEGAS	S103876920	NELLIS AIR FORCE BASE - INDI	BUILDING #650	89191	SHWS	
LAS VEGAS	S103876937	NELLIS AIR FORCE BASE	BUILDING #775	89191	SHWS	
LAS VEGAS	S103876938	NELLIS AIR FORCE BASE	BUILDING #2352	89191	SHWS	
LAS VEGAS	S103876940	NELLIS AIR FORCE BASE	BUILDING #715	89191	SHWS	
LAS VEGAS	S103877251	NELLIS AIR FORCE BASE	BUILDING #941 STORAGE YARD	89191	SHWS	
LAS VEGAS	S104179076	NELLIS AIR FORCE BASE	BUILDING #10108	89191	SHWS	
LAS VEGAS	S104916062	NELLIS AIR FORCE BASE	BUILDING 10130/10132/10133	89191	SHWS, LUST	H-000421
LAS VEGAS	S104916077	NELLIS AIR FORCE BASE	BUILDING #10120/10121	89191	SHWS, LUST	H-000419
LAS VEGAS	S103877234	NELLIS AIR FORCE BASE	BUILDING #229		SHWS	
LAS VEGAS	S103876823	LAS VEGAS GUN CLUB	BURRO ROAD		SHWS	
LAS VEGAS	S103877124	OMEGA RECYCLING	CALIFORNIA AND NEVADA		SHWS	
LAS VEGAS	S103877051	GAUDIN FORD/FIRST COMMERCIAL	CHARLESTON AND LAS VEGAS BLVD.		SHWS	
LAS VEGAS	S103877098	FREDRICKSON TANK LINES, INC.	EAST CHARLESTON/U.S. HIGHWAY		SHWS	
LAS VEGAS	S104584108	TREADWAY INDUSTRIES	4601 E CHEYENNE AVE STE 103	89115	HAZNET	
LAS VEGAS	S103877209	NEVADA POWER COMPANY	CLARK STATION		SHWS	
LAS VEGAS	S103877022	IDEAL STAPLE COMPANY	SW CORNER OF HIGHLAND AND CAPE		SHWS	
LAS VEGAS	S103877038	POLARIS AND PONDEROSA	CORNER OF POLARIS AND PONDEROS		SHWS	
LAS VEGAS	S103877103	NEVADA DEPARTMENT OF TRANSPORT	NW CORNER FLAMINGO AND EASTERN		SHWS	
LAS VEGAS	S103877130	BRESLIN BUILDERS	NW CORNER OF SUNSET AND POLARI		SHWS	
LAS VEGAS	S103877141	LAS VEGAS PAVING	CORNER DURANGO AND CHEYENNE		SHWS	

ORPHAN SUMMARY

City	EDR ID	Site Name	Site Address	Zip	Database(s)	Facility ID
LAS VEGAS	S103877245	NEVADA DEPARTMENT OF TRANSPORT	NW CORNER OF FLAMINGO/EASTERN		SHWS	
LAS VEGAS	S103877271	COLEMAN PROPERTY	NW CORNER FLAMINGO/PARADISE		SHWS	
LAS VEGAS	S103877316	ALLIED UNDERGROUND ACCIDENT	DECATUR BOULEVARD AND RUSSELL		SHWS	
LAS VEGAS	S104736157	HOME DEPOT PROPERTY	DECATUR BOULEVARD NORTH OF TRO		SHWS	
LAS VEGAS	S104235277	SILVER STATE DISPOSAL	DEER CREEK ROAD		SHWS	
LAS VEGAS	S103877054	DESERT INN UNDERPASS	DESERT INN BETWEEN SWENSON AND		SHWS	
LAS VEGAS	S103877248	NEVADA DEPARTMENT OF TRANSPORT	EAST DESERT INN @ BOULDER HIGH		SHWS	
LAS VEGAS	S104179094	TISH CASTLE, INC.	DESERT INN RD AND LAS VEGAS		SHWS	
LAS VEGAS	S105173967	WESTECH BUSINESS CENTER	DEWEY DRIVE / DECATUR BOULEVAR		SHWS	
LAS VEGAS	S103876830	DIABLO ASSOCIATES	DIABLO DRIVE AND LAS VEGAS BOU		SHWS	
LAS VEGAS	S103877263	INTERSTATE DISTRIBUTOR	DONOVAN WAY @ RR TRACK		SHWS	
LAS VEGAS	S103876981	UNION PACIFIC RAILROAD	DOWNTOWN LAS VEGAS		SHWS	
LAS VEGAS	S104736150	WILD BILL'S, INC.	EASTERN AVENUE AND FREMONT STR		SHWS	
LAS VEGAS	S103876045	NELLIS AIR FORCE BASE	FACILITY #2060	89191	SHWS	
LAS VEGAS	S103876048	NELLIS AIR FORCE BASE	FACILITY #0831	89191	SHWS	
LAS VEGAS	S103876050	NELLIS AIR FORCE BASE	FACILITY #625	89191	SHWS	
LAS VEGAS	S103876051	NELLIS AIR FORCE BASE	FACILITY #2350	89191	SHWS	
LAS VEGAS	S103876917	NELLIS AIR FORCE BASE	FACILITY #2350	89191	SHWS	
LAS VEGAS	S103877686	NELLIS AIR FORCE BASE	FACILITY #10307, AREA II	89191	SHWS, LUST	8-000881
LAS VEGAS	S104179004	NELLIS AIR FORCE BASE	FACILITY #2070	89191	SHWS	
LAS VEGAS	S105029626	NELLIS AIR FORCE BASE	FACILITY #61647	89191	SHWS	
LAS VEGAS	S105029629	NELLIS AIR FORCE BASE	FACILITY #0589	89191	SHWS	
LAS VEGAS	S105029631	NELLIS AIR FORCE BASE	FACILITY #0490	89191	SHWS	
LAS VEGAS	S103877077	NELLIS AIR FORCE BASE	FACILITY 10116		SHWS	
LAS VEGAS	S103876873	NELLIS AIR FORCE BASE - INDI	FIRE TRAINING FACILITY	89191	SHWS	
LAS VEGAS	S103876954	GAIR AND ASSOCIATES	FLAMINGO ROAD AND BUFFALO ROAD		SHWS	
LAS VEGAS	S104179070	RIO SUITE HOTEL	FLAMINGO ROAD @ VALLEY VIEW BL		SHWS	
LAS VEGAS	S103876962	MCCARRAN INTERNATIONAL AIRPORT	EAST FUEL TERMINAL		SHWS	
LAS VEGAS	93468007	FWC/AV AREA 2	FWC/AV AREA 2	89191	ERNS	
LAS VEGAS	93324522	FWC/AV AREA 2	FWC/AV AREA 2	89191	ERNS	
LAS VEGAS	S103877273	MCCARRAN INTERNATIONAL AIRPORT	B GATES		SHWS	
LAS VEGAS	S104235275	FORMER MUNICIPAL DUMP	GUILLESPIE ST. / RICHMOND		SHWS	
LAS VEGAS	S103877089	CALNEV PIPELINE - BRACKEN	HACIENDA AND VALLEY VIEW BLVD.		SHWS	
LAS VEGAS	S103877131	CALNEV PIPELINE	HACIENDA AND POLARIS		SHWS	
LAS VEGAS	S103877094	NEVADA DEPARTMENT OF TRANSPORT	U.S. HIGHWAY 95 AND WAGONWHEEL		SHWS	
LAS VEGAS	S104179063	ACE HARDWARE/RYDER RENTAL	U.S. HIGHWAY 95 @ CHARLESTON B		SHWS	
LAS VEGAS	S104736159	WILLIAMS TANK LINES SPILL	U.S. HIGHWAY 95 NEAR FLAMINGO		SHWS	
LAS VEGAS	S103877097	SPEEDROME	NORTH HOLLYWOOD BETWEEN I-15 /		SHWS	
LAS VEGAS	S104179101	HEAVY EQUIPMENT WELDING & REPA	5503 EAST HOLLYWOOD		SHWS	
LAS VEGAS	S104736129	FORMER GAS STATION/AUTO REPAIR	HOOVER AVENUE @ LAS VEGAS BLVD		LUST	H-000066
LAS VEGAS	S103877615	SHELL OIL COMPANY/HUGHES AVIAT	HUGHES AIR TERMINAL, MCCARRAN		LUST	8-000231
LAS VEGAS	S103876199	NELLIS AIR FORCE BASE	INDIAN SPRINGS (VARIOUS)	89191	SHWS	
LAS VEGAS	S104535011	ROADS WEST TRUCKING	IRONHORSE / GRAND CENTRAL PARK		SHWS	
LAS VEGAS	S103875781	CENTRAL TELEPHONE COMPANY NORT	1600 EAST LAKE MEAD	89115	SHWS	
LAS VEGAS	S103877066	FKC CONTRACTORS	LAKE MEAD AND ARROYO GRANDE		SHWS	
LAS VEGAS	S103877200	HAYCOCK DISTRIBUTING	LAKE LAS VEGAS RESORT		SHWS	
LAS VEGAS	S104179114	PARDEE HOMES	LAKE MEAD DRIVE AND EASTERN AV		SHWS	

ORPHAN SUMMARY

City	EDR ID	Site Name	Site Address	Zip	Database(s)	Facility ID
LAS VEGAS	U003719903	CHEVRON POLLO MARKET	3585 N LAMB BLVD AT LAS VEGAS BLVD	89115	UST	8-001960
LAS VEGAS	S103876826	UNIVERSITY OF NEVADA, LAS VEGA	SOUTH LAMB BOULEVARD		SHWS	
LAS VEGAS	S104916092	ROFENUS ALLAN HARVEY PROPERTY	LAMB BOULEVARD @ LONE MOUNTAIN		SHWS	
LAS VEGAS	S100947926	VICEROY GOLD CORP CASTLE MTN	9457 LAS VEGAS BLVD SOUTH ST		HAZNET	
LAS VEGAS	S103876832	DESERT INN GOLF COURSE	LAS VEGAS BOULEVARD		SHWS	
LAS VEGAS	S103877934	EXXON STATION 7-3194	2130 NORTH LAS VEGAS BOULEVARD		LUST	H-000019
LAS VEGAS	S105173972	CATHOLIC CHARITIES OF SOUTHERN	1501 LAS VEGAS BOULEVARD		SHWS	
LAS VEGAS	S104178921	CITY OF LAS VEGAS (GRANITE)	LAS VEGAS BOULEVARD @ FREMONT		LUST	H-001356
LAS VEGAS	S104179099	CITY OF LAS VEGAS (BLOCK 34)	LAS VEGAS BOULEVARD @ OGDEN R		SHWS	
LAS VEGAS	S104916095	NELLIS AIR FORCE BASE	LAS VEGAS BOULEVARD @ SLOAN AV		SHWS	
LAS VEGAS	S103877139	NEVADA POWER COMPANY	LEWIS AND MAIN STREET SUBSTATION		SHWS	
LAS VEGAS	S103877101	LONE MOUNTAIN GRAVEL PIT	LONE MOUNTAIN AND JENSEN		SHWS	
LAS VEGAS	S103877113	LONE MOUNTAIN GRAVEL PIT	LONE MOUNTAIN ROAD		SHWS	
LAS VEGAS	S103877194	LAS VEGAS PAVING	LONE MOUNTAIN ROAD		SHWS	
LAS VEGAS	S103877311	LAS VEGAS PAVING	LONE MOUNTAIN ROAD		SHWS	
LAS VEGAS	S103877092	LASFUEL CONSORTIUM	MCCARRAN AIRPORT A RAMP		SHWS	
LAS VEGAS	S103877019	NEVADA POWER COMPANY	5209 MESAVIEW DRIVE		SHWS	
LAS VEGAS	S103877102	U.S. BUREAU OF LAND MANAGEMENT	NEAR FRENCHMAN MOUNTAIN		SHWS	
LAS VEGAS	S104534666	TERRIBLE HERBST #147	11 NORTH NELLIS BOULEVARD		LUST	8-000667
LAS VEGAS	S103877095	NEVADA DEPARTMENT OF TRANSPORT	NELLIS AND SAHARA AVENUE		SHWS	
LAS VEGAS	S103877206	PAINT FINES DISPOSAL	NELLIS AIR FORCE BASE		SHWS	
LAS VEGAS	94392492	NEVADA TEST SITE AREA 12 P TUNNEL PORTAL	NEVADA TEST SITE AREA 12 P TUNNEL PORT/		ERNS	
LAS VEGAS	90166703	NEVADA TEST SITE AREA 2	NEVADA TEST SITE AREA 2		ERNS	
LAS VEGAS	S103876946	APEX DUMP SITE	NORTHEAST OF LAS VEGAS		SHWS	
LAS VEGAS	S103877300	U.S. 95 SOUTHBOUND (TRUCK ACCI	SOUTH OF TROPICANA AVENUE		SHWS	
LAS VEGAS	S104179093	NELLIS AIR FORCE BASE	PARAMEDIC ROAD NEAR GOLF COURS	89191	SHWS	
LAS VEGAS	S103877252	NELLIS AIR FORCE BASE	PARKING ROWS 16/17	89191	SHWS	
LAS VEGAS	S103876986	BAYSHORE AT DESERT SHORES	POINT CONCEPTION AND HARBOR IS		SHWS	
LAS VEGAS	92283235	RANIER MESA AREA NO.12 NEVADA TEST SITE	RANIER MESA AREA NO.12 NEVADA TEST SITE		ERNS	
LAS VEGAS	S104179087	GOLDEN BEAR OIL SPECIALTIES	6400 RICHMAR ROAD		SHWS	
LAS VEGAS	S104395304	COPPER STATE EMULSIONS	6400 WEST RICHMAR		SHWS	
LAS VEGAS	S104736154	CONSTRUCTION VEHICLE SPILL	RUFIN @ EL CAMP GRANDE		SHWS	
LAS VEGAS	S103877065	NELLIS AIR FORCE BASE	RUNWAY 21-R		SHWS	
LAS VEGAS	S103877061	PARADISE SPA	SERENE AVENUE AND HAVEN STREET		SHWS	
LAS VEGAS	S103877152	DYNAIR FUELING OF NEVADA, INC.	WEST SIDE TANK FARM		SHWS	
LAS VEGAS	S103876872	NELLIS AIR FORCE BASE - INDI	#104, SITE	89191	SHWS	
LAS VEGAS	S103876875	NELLIS AIR FORCE BASE	#10123, SITE	89191	SHWS	
LAS VEGAS	S103876888	NELLIS AIR FORCE BASE - INDI	#31, SITE	89191	SHWS	
LAS VEGAS	U003380893	RIVER CITY PETROLEUM	4915 SLOAN ROAD	89115	UST	8-001762
LAS VEGAS	S104179082	CALNEV/TECHROLINE	SLOAN AVENUE		SHWS	
LAS VEGAS	S103877213	NEVADA DEPARTMENT OF TRANSPORT	SPAGHETTI BOWL		SHWS	
LAS VEGAS	S104535006	ROACH CONTRACTING COMPANY	SPENCER STREET		SHWS	
LAS VEGAS	S103877023	LA AND SL RAILROAD	SPRING MOUNTAIN ROAD AND UPRR		SHWS	
LAS VEGAS	S104916096	COMMERCIAL OFFICE WAREHOUSE	305 WEST ST. LOUIS AVENUE		SHWS	
LAS VEGAS	S104179083	HADLAND PARK	STEWART AVENUE BETWEEN 26TH/28		SHWS	
LAS VEGAS	S103877299	WE ARE DRAYAGE (TRUCK SPILL)	SUMMERLAN PKWY/TOWN CENTER		SHWS	
LAS VEGAS	S103877210	NEVADA POWER COMPANY	SUNRISE STATION		SHWS	

ORPHAN SUMMARY

City	EDR ID	Site Name	Site Address	Zip	Database(s)	Facility ID
LAS VEGAS	S103877211	NEVADA POWER COMPANY	SUNRISE STATION #6 OIL RELEASE		SHWS	
LAS VEGAS	S103876921	UNOCAL SS #	SWC OF KAREN AND EASTERN		SHWS	
LAS VEGAS	S103876939	NELLIS AIR FORCE BASE	#N-489 TANK	89191	SHWS	
LAS VEGAS	91466839	TOLEACHA PEAK AREA 71	TOLEACHA PEAK AREA 71		ERNS	
LAS VEGAS	91223366	TOLEACHA PEAK AREA 71	TOLEACHA PEAK AREA 71		ERNS	
LAS VEGAS	S104736160	SOUTHWEST GAS COMPANY	TREE LANE DRIVE @ VEGAS VALLEY		SHWS	
LAS VEGAS	S103877009	NEVADA POWER COMPANY/TRANSFORM	VARIOUS		SHWS	
LAS VEGAS	S103877171	MCCARRAN INTERNATIONAL AIRPORT	VARIOUS LOCATIONS		SHWS	
LAS VEGAS	94374000	WEAPONS STORAGE AREA #2, FACILITY #10510	WEAPONS STORAGE AREA #2, FACILITY #1051		ERNS	
LAS VEGAS	94373660	WEAPONS STORAGE AREA #2, FACILITY #10510	WEAPONS STORAGE AREA #2, FACILITY #1051		ERNS	
LAS VEGAS	S103877295	FREDRICKSON TANK LINE	WELLS AND LAS VEGAS BOULEVARD		SHWS	
LAS VEGAS	94416146	ON WEST SIDE OF BUILDING IN OPEN AREA COVERED WITH GRAVEL, 4	ON WEST SIDE OF BUILDING IN OPEN AREA COVERED WITH GRAVEL, 4		ERNS	
LAS VEGAS	S103877215	ZIMMERMAN PROPERTIES	WESTWOOD		SHWS	
NELLIS AFB	U003380742	USAF- NELLIS AFB- FAC #1301	4349 DUFFER DR STE 1600	89191	UST	8-001553
NELLIS AFB	U003380924	CEDAR PEAK FACILITY	4349 DUFFER DRIVE SUITE 1601	89191	UST	8-001796
NELLIS AFB	U003380912	SAME AS 8000886	FACILITY 267 4551 DEVLIN DRIVE	89191	UST	8-001784
NELLIS AFB	96497588	LIVE TARGET AREA - RANGE 75, TARGET 75-37, NEAR QUARTZ MOUNT	LIVE TARGET AREA - RANGE 75, TARGET 75-37, NEAR QUARTZ MOUNT	89191	ERNS	
NELLIS AFB	U003380264	FACILITY #1739	NELLIS AFB, NV 89191	89191	UST	8-000865
NELLIS AFB	U003380266	FACILITY #2070	NELLIS AFB, NV 89191	89191	UST	8-000867
NELLIS AFB	U003380267	FACILITY #2074	NELLIS AFB, NV 89191	89191	UST	8-000868
NELLIS AFB	U003380268	FACILITY #1709	NELLIS AFB, NV 89191	89191	UST	8-000869
NELLIS AFB	U003380269	FACILITY #630	NELLIS AFB, NV 89191	89191	UST	8-000870
NELLIS AFB	U003380273	FACILITY #835	NELLIS AFB, NV 89191	89191	UST	8-000874
NELLIS AFB	U003380275	FACILITY #2354	NELLIS AFB, NV 89191	89191	UST	8-000876
NELLIS AFB	U003380277	FACILITY #2098	NELLIS AFB, NV 89191	89191	UST	8-000878
NELLIS AFB	U003380278	FACILITY #634	NELLIS AFB, NV 89191	89191	UST	8-000879
NELLIS AFB	U003380279	FACILITY #229	NELLIS AFB, NV 89191	89191	UST	8-000880
NELLIS AFB	U003380280	FACILITY #10307	NELLIS AFB, NV 89191	89191	UST	8-000881
NELLIS AFB	U003380281	FACILITY #1014	NELLIS AFB, NV 89191	89191	UST	8-000882
NELLIS AFB	U003380283	FACILITY #10207	NELLIS AFB, NV 89191	89191	UST	8-000884
NELLIS AFB	U003380285	USAF - NELLIS AFB - FAC #267	NELLIS AFB	89191	UST	8-000886
NELLIS AFB	U003380287	FACILITY #10116	NELLIS AFB, NV 89191	89191	UST	8-000888
NELLIS AFB	U003380289	FACILITY #913	NELLIS AFB, NV 89191	89191	UST	8-000890
NELLIS AFB	U003380290	FACILITY #275	NELLIS AFB, NV 89191	89191	UST	8-000891
NELLIS AFB	U003380292	FACILITY #620	NELLIS AFB, NV 89191	89191	UST	8-000893
NELLIS AFB	U003380293	FACILITY #625	NELLIS AFB, NV 89191	89191	UST	8-000894
NELLIS AFB	U003380294	FACILITY #915	NELLIS AFB, NV 89191	89191	UST	8-000895
NELLIS AFB	U003380295	FACILITY #2350	NELLIS AFB, NV 89191	89191	UST	8-000896
NELLIS AFB	U003380296	FACILITY #2351	NELLIS AFB, NV 89191	89191	UST	8-000897
NELLIS AFB	U003380297	FACILITY #606	NELLIS AFB, NV 89191	89191	UST	8-000898
NELLIS AFB	U003380405	DEVICE ASSEMBLY FACILITY	NELLIS AIR FORCE BASE	89191	UST	8-001039
NELLIS AIR FORCE BAS	S103877270	NELLIS AIR FORCE BASE	99 ABW/EM 4349 DUFFER DRIVE	89191	SHWS	
NELLIS AIR FORCE BAS	S104179095	NELLIS AIR FORCE BASE	AIRCRAFT FLIGHTLINE	89191	SHWS	
NELLIS AIR FORCE BAS	S103877275	NELLIS AIR FORCE BASE	BUILDING #606/GAS STATION	89191	SHWS	
NELLIS AIR FORCE BAS	S103877286	NELLIS AIR FORCE BASE	JP8 PIPELINE, SOUTH	89191	SHWS	

ORPHAN SUMMARY

City	EDR ID	Site Name	Site Address	Zip	Database(s)	Facility ID
NELLIS AIR FORCE BAS	S103877279	NELLIS AIR FORCE BASE	ROAD 32 - SPOT 5	89191	SHWS	
NELLIS AIR FORCE BAS	S103877287	NELLIS AIR FORCE BASE	RUNWAY 21/TAXIWAY G	89191	SHWS	
NELLIS AIR FORCE BAS	S103877288	NELLIS AIR FORCE BASE	TAXIWAY A	89191	SHWS	
TONOPAH	S104179071	TONOPAH TEST RANGE	FIRE TRAINING PIT	89191	SHWS	

EPA Waste Codes Addendum

Code	Description
D001	IGNITABLE HAZARDOUS WASTES ARE THOSE WASTES WHICH HAVE A FLASHPOINT OF LESS THAN 140 DEGREES FAHRENHEIT AS DETERMINED BY A PENSKY-MARTENS CLOSED CUP FLASH POINT TESTER. ANOTHER METHOD OF DETERMINING THE FLASH POINT OF A WASTE IS TO REVIEW THE MATERIAL SAFETY DATA SHEET, WHICH CAN BE OBTAINED FROM THE MANUFACTURER OR DISTRIBUTOR OF THE MATERIAL. LACQUER THINNER IS AN EXAMPLE OF A COMMONLY USED SOLVENT WHICH WOULD BE CONSIDERED AS IGNITABLE HAZARDOUS WASTE.
D002	A WASTE WHICH HAS A PH OF LESS THAN 2 OR GREATER THAN 12.5 IS CONSIDERED TO BE A CORROSIVE HAZARDOUS WASTE. SODIUM HYDROXIDE, A CAUSTIC SOLUTION WITH A HIGH PH, IS OFTEN USED BY INDUSTRIES TO CLEAN OR DEGREASE PARTS. HYDROCHLORIC ACID, A SOLUTION WITH A LOW PH, IS USED BY MANY INDUSTRIES TO CLEAN METAL PARTS PRIOR TO PAINTING. WHEN THESE CAUSTIC OR ACID SOLUTIONS BECOME CONTAMINATED AND MUST BE DISPOSED, THE WASTE WOULD BE A CORROSIVE HAZARDOUS WASTE.
D003	A MATERIAL IS CONSIDERED TO BE A REACTIVE HAZARDOUS WASTE IF IT IS NORMALLY UNSTABLE, REACTS VIOLENTLY WITH WATER, GENERATES TOXIC GASES WHEN EXPOSED TO WATER OR CORROSIVE MATERIALS, OR IF IT IS CAPABLE OF DETONATION OR EXPLOSION WHEN EXPOSED TO HEAT OR A FLAME. ONE EXAMPLE OF SUCH WASTE WOULD BY WASTE GUNPOWDER.
D005	BARIUM
D006	CADMIUM
D007	CHROMIUM
D008	LEAD
D009	MERCURY
D010	SELENIUM
D018	BENZENE
D035	METHYL ETHYL KETONE
D039	TETRACHLOROETHYLENE
D040	TRICHLOROETHYLENE
F003	THE FOLLOWING SPENT NON-HALOGENATED SOLVENTS: XYLENE, ACETONE, ETHYL ACETATE, ETHYL BENZENE, ETHYL ETHER, METHYL ISOBUTYL KETONE, N-BUTYL ALCOHOL, CYCLOHEXANONE, AND METHANOL; ALL SPENT SOLVENT MIXTURES/BLENDS CONTAINING, BEFORE USE, ONLY THE ABOVE SPENT NON-HALOGENATED SOLVENTS; AND ALL SPENT SOLVENT MIXTURES/BLENDS CONTAINING, BEFORE USE, ONE OR MORE OF THE ABOVE NON-HALOGENATED SOLVENTS, AND, A TOTAL OF TEN PERCENT OR MORE (BY VOLUME) OF ONE OR MORE OF THOSE SOLVENTS LISTED IN F001, F002, F004, AND F005, AND STILL BOTTOMS FROM THE RECOVERY OF THESE SPENT SOLVENTS AND SPENT SOLVENT MIXTURES.

EPA Waste Codes Addendum

Code	Description
F005	THE FOLLOWING SPENT NON-HALOGENATED SOLVENTS: TOLUENE, METHYL ETHYL KETONE, CARBON DISULFIDE, ISOBUTANOL, PYRIDINE, BENZENE, 2-ETHOXYETHANOL, AND 2-NITROPROPANE; ALL SPENT SOLVENT MIXTURES/BLENDs CONTAINING, BEFORE USE, A TOTAL OF TEN PERCENT OR MORE (BY VOLUME) OF ONE OR MORE OF THE ABOVE NON-HALOGENATED SOLVENTS OR THOSE SOLVENTS LISTED IN F001, F002, OR F004; AND STILL BOTTOMS FROM THE RECOVERY OF THESE SPENT SOLVENTS AND SPENT SOLVENT MIXTURES.
P042	1,2-BENZENEDIOL, 4-[1-HYDROXY-2-(METHYLAMINO)ETHYL]-, (R)-
P042	EPINEPHRINE
U011	AMITROLE
U011	1H-1,2,4-TRIAZOL-3-AMINE
U151	MERCURY
U248	2H-1-BENZOPYRAN-2-ONE, 4-HYDROXY-3-(3-OXO-1-PHENYL-BUTYL)-, & SALTS, WHEN PRESENT AT CONCENTRATIONS OF 0.3% OR LESS
U248	WARFARIN, & SALTS, WHEN PRESENT AT CONCENTRATIONS OF 0.3% OR LESS

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

To maintain currency of the following federal and state databases, EDR contacts the appropriate governmental agency on a monthly or quarterly basis, as required.

Elapsed ASTM days: Provides confirmation that this EDR report meets or exceeds the 90-day updating requirement of the ASTM standard.

FEDERAL ASTM STANDARD RECORDS

NPL: National Priority List

Source: EPA

Telephone: N/A

National Priorities List (Superfund). The NPL is a subset of CERCLIS and identifies over 1,200 sites for priority cleanup under the Superfund Program. NPL sites may encompass relatively large areas. As such, EDR provides polygon coverage for over 1,000 NPL site boundaries produced by EPA's Environmental Photographic Interpretation Center (EPIC) and regional EPA offices.

Date of Government Version: 10/22/01

Date Made Active at EDR: 12/11/01

Database Release Frequency: Semi-Annually

Date of Data Arrival at EDR: 11/05/01

Elapsed ASTM days: 36

Date of Last EDR Contact: 02/04/02

NPL Site Boundaries

Sources:

EPA's Environmental Photographic Interpretation Center (EPIC)

Telephone: 202-564-7333

EPA Region 1

Telephone 617-918-1143

EPA Region 6

Telephone: 214-655-6659

EPA Region 3

Telephone 215-814-5418

EPA Region 8

Telephone: 303-312-6774

EPA Region 4

Telephone 404-562-8033

Proposed NPL: Proposed National Priority List Sites

Source: EPA

Telephone: N/A

Date of Government Version: 10/22/01

Date Made Active at EDR: 12/11/01

Database Release Frequency: Semi-Annually

Date of Data Arrival at EDR: 11/05/01

Elapsed ASTM days: 36

Date of Last EDR Contact: 02/04/02

CERCLIS: Comprehensive Environmental Response, Compensation, and Liability Information System

Source: EPA

Telephone: 703-413-0223

CERCLIS contains data on potentially hazardous waste sites that have been reported to the USEPA by states, municipalities, private companies and private persons, pursuant to Section 103 of the Comprehensive Environmental Response, Compensation, and Liability Act (CERCLA). CERCLIS contains sites which are either proposed to or on the National Priorities List (NPL) and sites which are in the screening and assessment phase for possible inclusion on the NPL.

Date of Government Version: 11/21/01

Date Made Active at EDR: 02/04/02

Database Release Frequency: Quarterly

Date of Data Arrival at EDR: 12/26/01

Elapsed ASTM days: 40

Date of Last EDR Contact: 12/26/01

CERCLIS-NFRAP: CERCLIS No Further Remedial Action Planned

Source: EPA

Telephone: 703-413-0223

As of February 1995, CERCLIS sites designated "No Further Remedial Action Planned" (NFRAP) have been removed from CERCLIS. NFRAP sites may be sites where, following an initial investigation, no contamination was found, contamination was removed quickly without the need for the site to be placed on the NPL, or the contamination was not serious enough to require Federal Superfund action or NPL consideration. EPA has removed approximately 25,000 NFRAP sites to lift the unintended barriers to the redevelopment of these properties and has archived them as historical records so EPA does not needlessly repeat the investigations in the future. This policy change is part of the EPA's Brownfields Redevelopment Program to help cities, states, private investors and affected citizens to promote economic redevelopment of unproductive urban sites.

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

Date of Government Version: 11/21/01
Date Made Active at EDR: 02/04/02
Database Release Frequency: Quarterly

Date of Data Arrival at EDR: 12/26/01
Elapsed ASTM days: 40
Date of Last EDR Contact: 12/16/01

CORRACTS: Corrective Action Report

Source: EPA

Telephone: 800-424-9346

CORRACTS identifies hazardous waste handlers with RCRA corrective action activity.

Date of Government Version: 11/14/01
Date Made Active at EDR: 01/14/02
Database Release Frequency: Semi-Annually

Date of Data Arrival at EDR: 11/14/01
Elapsed ASTM days: 61
Date of Last EDR Contact: 11/14/01

RCRIS: Resource Conservation and Recovery Information System

Source: EPA/NTIS

Telephone: 800-424-9346

Resource Conservation and Recovery Information System. RCRIS includes selective information on sites which generate, transport, store, treat and/or dispose of hazardous waste as defined by the Resource Conservation and Recovery Act (RCRA).

Date of Government Version: 06/21/00
Date Made Active at EDR: 07/31/00
Database Release Frequency: Varies

Date of Data Arrival at EDR: 07/10/00
Elapsed ASTM days: 21
Date of Last EDR Contact: 01/14/02

ERNS: Emergency Response Notification System

Source: EPA/NTIS

Telephone: 202-260-2342

Emergency Response Notification System. ERNS records and stores information on reported releases of oil and hazardous substances.

Date of Government Version: 08/08/00
Date Made Active at EDR: 09/06/00
Database Release Frequency: Varies

Date of Data Arrival at EDR: 08/11/00
Elapsed ASTM days: 26
Date of Last EDR Contact: 02/01/02

FEDERAL ASTM SUPPLEMENTAL RECORDS

BRS: Biennial Reporting System

Source: EPA/NTIS

Telephone: 800-424-9346

The Biennial Reporting System is a national system administered by the EPA that collects data on the generation and management of hazardous waste. BRS captures detailed data from two groups: Large Quantity Generators (LQG) and Treatment, Storage, and Disposal Facilities.

Date of Government Version: 12/31/99
Database Release Frequency: Biennially

Date of Last EDR Contact: 12/17/01
Date of Next Scheduled EDR Contact: 03/18/02

CONSENT: Superfund (CERCLA) Consent Decrees

Source: EPA Regional Offices

Telephone: Varies

Major legal settlements that establish responsibility and standards for cleanup at NPL (Superfund) sites. Released periodically by United States District Courts after settlement by parties to litigation matters.

Date of Government Version: N/A
Database Release Frequency: Varies

Date of Last EDR Contact: N/A
Date of Next Scheduled EDR Contact: N/A

ROD: Records Of Decision

Source: NTIS

Telephone: 703-416-0223

Record of Decision. ROD documents mandate a permanent remedy at an NPL (Superfund) site containing technical and health information to aid in the cleanup.

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

Date of Government Version: 09/30/00
Database Release Frequency: Annually

Date of Last EDR Contact: 01/07/02
Date of Next Scheduled EDR Contact: 04/08/02

DELISTED NPL: National Priority List Deletions

Source: EPA

Telephone: N/A

The National Oil and Hazardous Substances Pollution Contingency Plan (NCP) establishes the criteria that the EPA uses to delete sites from the NPL. In accordance with 40 CFR 300.425.(e), sites may be deleted from the NPL where no further response is appropriate.

Date of Government Version: 11/13/01
Database Release Frequency: Semi-Annually

Date of Last EDR Contact: 02/04/02
Date of Next Scheduled EDR Contact: 05/06/02

FINDS: Facility Index System/Facility Identification Initiative Program Summary Report

Source: EPA

Telephone: N/A

Facility Index System. FINDS contains both facility information and 'pointers' to other sources that contain more detail. EDR includes the following FINDS databases in this report: PCS (Permit Compliance System), AIRS (Aerometric Information Retrieval System), DOCKET (Enforcement Docket used to manage and track information on civil judicial enforcement cases for all environmental statutes), FURS (Federal Underground Injection Control), C-DOCKET (Criminal Docket System used to track criminal enforcement actions for all environmental statutes), FFIS (Federal Facilities Information System), STATE (State Environmental Laws and Statutes), and PADS (PCB Activity Data System).

Date of Government Version: 10/29/01
Database Release Frequency: Quarterly

Date of Last EDR Contact: 01/07/02
Date of Next Scheduled EDR Contact: 04/08/02

HMIRS: Hazardous Materials Information Reporting System

Source: U.S. Department of Transportation

Telephone: 202-366-4526

Hazardous Materials Incident Report System. HMIRS contains hazardous material spill incidents reported to DOT.

Date of Government Version: 05/31/01
Database Release Frequency: Annually

Date of Last EDR Contact: 01/21/02
Date of Next Scheduled EDR Contact: 04/22/02

MLTS: Material Licensing Tracking System

Source: Nuclear Regulatory Commission

Telephone: 301-415-7169

MLTS is maintained by the Nuclear Regulatory Commission and contains a list of approximately 8,100 sites which possess or use radioactive materials and which are subject to NRC licensing requirements. To maintain currency, EDR contacts the Agency on a quarterly basis.

Date of Government Version: 10/25/01
Database Release Frequency: Quarterly

Date of Last EDR Contact: 01/07/02
Date of Next Scheduled EDR Contact: 04/08/02

MINES: Mines Master Index File

Source: Department of Labor, Mine Safety and Health Administration

Telephone: 303-231-5959

Date of Government Version: 12/14/01
Database Release Frequency: Semi-Annually

Date of Last EDR Contact: 01/02/02
Date of Next Scheduled EDR Contact: 04/01/02

NPL LIENS: Federal Superfund Liens

Source: EPA

Telephone: 205-564-4267

Federal Superfund Liens. Under the authority granted the USEPA by the Comprehensive Environmental Response, Compensation and Liability Act (CERCLA) of 1980, the USEPA has the authority to file liens against real property in order to recover remedial action expenditures or when the property owner receives notification of potential liability. USEPA compiles a listing of filed notices of Superfund Liens.

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

Date of Government Version: 10/15/91
Database Release Frequency: No Update Planned

Date of Last EDR Contact: 11/19/01
Date of Next Scheduled EDR Contact: 02/18/02

PADS: PCB Activity Database System

Source: EPA

Telephone: 202-260-3936

PCB Activity Database. PADS identifies generators, transporters, commercial storers and/or brokers and disposers of PCB's who are required to notify the EPA of such activities.

Date of Government Version: 09/30/01
Database Release Frequency: Annually

Date of Last EDR Contact: 11/13/01
Date of Next Scheduled EDR Contact: 02/12/02

RAATS: RCRA Administrative Action Tracking System

Source: EPA

Telephone: 202-564-4104

RCRA Administration Action Tracking System. RAATS contains records based on enforcement actions issued under RCRA pertaining to major violators and includes administrative and civil actions brought by the EPA. For administration actions after September 30, 1995, data entry in the RAATS database was discontinued. EPA will retain a copy of the database for historical records. It was necessary to terminate RAATS because a decrease in agency resources made it impossible to continue to update the information contained in the database.

Date of Government Version: 04/17/95
Database Release Frequency: No Update Planned

Date of Last EDR Contact: 12/11/01
Date of Next Scheduled EDR Contact: 03/11/02

TRIS: Toxic Chemical Release Inventory System

Source: EPA

Telephone: 202-260-1531

Toxic Release Inventory System. TRIS identifies facilities which release toxic chemicals to the air, water and land in reportable quantities under SARA Title III Section 313.

Date of Government Version: 12/31/99
Database Release Frequency: Annually

Date of Last EDR Contact: 12/26/01
Date of Next Scheduled EDR Contact: 03/25/02

TSCA: Toxic Substances Control Act

Source: EPA

Telephone: 202-260-5521

Toxic Substances Control Act. TSCA identifies manufacturers and importers of chemical substances included on the TSCA Chemical Substance Inventory list. It includes data on the production volume of these substances by plant site.

Date of Government Version: 12/31/98
Database Release Frequency: Every 4 Years

Date of Last EDR Contact: 01/22/02
Date of Next Scheduled EDR Contact: 04/22/02

FTTS: FIFRA/ TSCA Tracking System - FIFRA (Federal Insecticide, Fungicide, & Rodenticide Act)/TSCA (Toxic Substances Control Act)

Source: EPA/Office of Prevention, Pesticides and Toxic Substances

Telephone: 202-564-2501

FTTS tracks administrative cases and pesticide enforcement actions and compliance activities related to FIFRA, TSCA and EPCRA (Emergency Planning and Community Right-to-Know Act). To maintain currency, EDR contacts the Agency on a quarterly basis.

Date of Government Version: 10/25/01
Database Release Frequency: Quarterly

Date of Last EDR Contact: 12/26/01
Date of Next Scheduled EDR Contact: 03/25/02

FTTS INSP: FIFRA/ TSCA Tracking System - FIFRA (Federal Insecticide, Fungicide, & Rodenticide Act)/TSCA (Toxic Substances Control Act)

Source: EPA

Telephone: 202-564-2501

Date of Government Version: 10/25/01
Database Release Frequency: Quarterly

Date of Last EDR Contact: 12/26/01
Date of Next Scheduled EDR Contact: 03/25/02

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

STATE OF NEVADA ASTM STANDARD RECORDS

SHWS: Sites Database

Source: Department of Conservation and Natural Resources

Telephone: 775-687-5872

State Hazardous Waste Sites. State hazardous waste site records are the states' equivalent to CERCLIS. These sites may or may not already be listed on the federal CERCLIS list. Priority sites planned for cleanup using state funds (state equivalent of Superfund) are identified along with sites where cleanup will be paid for by potentially responsible parties. Available information varies by state.

Date of Government Version: 01/09/02

Date Made Active at EDR: 02/04/02

Database Release Frequency: Quarterly

Date of Data Arrival at EDR: 01/22/02

Elapsed ASTM days: 13

Date of Last EDR Contact: 01/22/02

SWF/LF: Landfill List

Source: Department of Conservation and Natural Resources

Telephone: 775-687-5872

Solid Waste Facilities/Landfill Sites. SWF/LF type records typically contain an inventory of solid waste disposal facilities or landfills in a particular state. Depending on the state, these may be active or inactive facilities or open dumps that failed to meet RCRA Subtitle D Section 4004 criteria for solid waste landfills or disposal sites.

Date of Government Version: 01/02/01

Date Made Active at EDR: 02/07/01

Database Release Frequency: Annually

Date of Data Arrival at EDR: 01/16/01

Elapsed ASTM days: 22

Date of Last EDR Contact: 01/04/02

LUST: Sites Database

Source: Department of Conservation and Natural Resources

Telephone: 775-687-5872

Leaking Underground Storage Tank Incident Reports. LUST records contain an inventory of reported leaking underground storage tank incidents. Not all states maintain these records, and the information stored varies by state.

Date of Government Version: 01/09/02

Date Made Active at EDR: 02/04/02

Database Release Frequency: Semi-Annually

Date of Data Arrival at EDR: 01/22/02

Elapsed ASTM days: 13

Date of Last EDR Contact: 01/22/02

UST: Underground Storage Tank List

Source: Department of Conservation and Natural Resources

Telephone: 775-687-5872

Registered Underground Storage Tanks. UST's are regulated under Subtitle I of the Resource Conservation and Recovery Act (RCRA) and must be registered with the state department responsible for administering the UST program. Available information varies by state program.

Date of Government Version: 01/07/02

Date Made Active at EDR: 02/04/02

Database Release Frequency: Semi-Annually

Date of Data Arrival at EDR: 01/22/02

Elapsed ASTM days: 13

Date of Last EDR Contact: 01/22/02

STATE OF NEVADA ASTM SUPPLEMENTAL RECORDS

AST: Aboveground Storage Tanks List

Source: Department of Conservation and Natural Resources

Telephone: 775-687-5872

Registered Aboveground Storage Tanks.

Date of Government Version: 01/10/00

Database Release Frequency: No Update Planned

Date of Last EDR Contact: 01/21/02

Date of Next Scheduled EDR Contact: 04/22/02

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

LOCAL RECORDS

WASHOE COUNTY:

Underground Storage Tank in Washoe County

Source: Washoe County Department of Environmental Health
Telephone: 775-328-2493

Date of Government Version: 12/27/01
Database Release Frequency: Quarterly

Date of Last EDR Contact: 12/27/01
Date of Next Scheduled EDR Contact: 04/01/02

EDR PROPRIETARY HISTORICAL DATABASES

Former Manufactured Gas (Coal Gas) Sites: The existence and location of Coal Gas sites is provided exclusively to EDR by Real Property Scan, Inc. ©Copyright 1993 Real Property Scan, Inc. For a technical description of the types of hazards which may be found at such sites, contact your EDR customer service representative.

Disclaimer Provided by Real Property Scan, Inc.

The information contained in this report has predominantly been obtained from publicly available sources produced by entities other than Real Property Scan. While reasonable steps have been taken to insure the accuracy of this report, Real Property Scan does not guarantee the accuracy of this report. Any liability on the part of Real Property Scan is strictly limited to a refund of the amount paid. No claim is made for the actual existence of toxins at any site. This report does not constitute a legal opinion.

OTHER DATABASE(S)

Depending on the geographic area covered by this report, the data provided in these specialty databases may or may not be complete. For example, the existence of wetlands information data in a specific report does not mean that all wetlands in the area covered by the report are included. Moreover, the absence of any reported wetlands information does not necessarily mean that wetlands do not exist in the area covered by the report.

Oil/Gas Pipelines/Electrical Transmission Lines: This data was obtained by EDR from the USGS in 1994. It is referred to by USGS as GeoData Digital Line Graphs from 1:100,000-Scale Maps. It was extracted from the transportation category including some oil, but primarily gas pipelines and electrical transmission lines.

Sensitive Receptors: There are individuals deemed sensitive receptors due to their fragile immune systems and special sensitivity to environmental discharges. These sensitive receptors typically include the elderly, the sick, and children. While the location of all sensitive receptors cannot be determined, EDR indicates those buildings and facilities - schools, daycares, hospitals, medical centers, and nursing homes - where individuals who are sensitive receptors are likely to be located.

Flood Zone Data: This data, available in select counties across the country, was obtained by EDR in 1999 from the Federal Emergency Management Agency (FEMA). Data depicts 100-year and 500-year flood zones as defined by FEMA.

NWI: National Wetlands Inventory. This data, available in select counties across the country, was obtained by EDR in 1999 from the U.S. Fish and Wildlife Service.

Thank you for your business.
Please contact EDR at 1-800-352-0050
with any questions or comments.

Disclaimer

This Report contains information obtained from a variety of public sources and EDR makes no representation or warranty regarding the accuracy, reliability, quality, or completeness of said information or the information contained in this report. The customer shall assume full responsibility for the use of this report.
No warranty of merchantability or of fitness for a particular purpose, expressed or implied, shall apply and EDR specifically disclaims the making of such warranties. In no event shall EDR be liable to anyone for special, incidental, consequential or exemplary damages.

APPENDIX G

CONSERVATION FACTORS FINDINGS

APPENDIX G

CONSERVATION FACTORS FINDINGS

CONSERVATION FACTOR FINDINGS

Conservation factors include cultural resources (historic properties, prehistoric sites, and traditional cultural properties), biological resources (sensitive habitats, threatened and endangered species, and wetlands), physiographic conditions (floodplains, landslide/sinkhole conditions, seismic conditions), and valuable resources including mineral resources, prime and unique farmlands or timberlands, and water rights.

Cultural Resources

Historic Properties.

Nellis AFB has been surveyed for historic buildings and structures. No historic properties eligible for nomination to the National Register of Historic Places (National Register) were identified. The Nevada State Historic Preservation Officer (SHPO) has concurred that final inventory and evaluation activities on Nellis AFB have been completed. In addition, the U.S. Army Environmental Center has recently completed a national-level study of Capehart and Wherry housing to determine if it should be considered and treated as historically significant. Wherry housing is found on Nellis AFB in the Old Nellis Terrace Housing Area; Capehart housing is found in the Manch Manor I and II areas. Results of this extensive study indicate that at the national level, these types of buildings would not be eligible for listing in the National Register (U.S. Army Environmental Center, 1999). Based on these findings, historic properties are not a concern within the Dunning Circle Housing Area.

Prehistoric Sites.

Nellis AFB has been surveyed for prehistoric and historic archaeological resources. One archaeological site eligible for nomination to the National Register has been identified within Area II of the base, and is being managed for protection. No other sites within Area I, Area II, or Area III have been determined to be eligible for nomination to the National Register.

The SHPO has concurred that final inventory and evaluation activities on Nellis AFB have been completed. Based on these findings, prehistoric sites are not a concern within the Dunning Circle Housing Area.

Traditional Cultural Resources.

Nellis AFB has been working with Native American groups to identify traditional cultural resources, sacred areas, or traditional use areas (99th Civil Engineer Squadron, 2002). The base continues to work with these groups to further identify these resources. To date, no known traditional cultural resources, sacred areas, or traditional use areas have been identified on Nellis AFB (U.S. Air Force, 1999). Based on these findings, traditional cultural resources are not a concern within the Dunning Circle Housing Area.

Biological Resources

Sensitive Habitats.

No sensitive habitats are known to be present within the Nellis Terrace Housing Area.

Threatened and Endangered Species.

According to the INRMP for Nellis AFB, there is one federally listed threatened species present at Nellis AFB (the desert tortoise) (Nellis Air Force Base, 2001). The desert tortoise (*Gopherus agassizii*), which is also listed as state threatened, is found in low densities in Area II of the base. Tortoises are not found within Areas I and III of the base. Three federal species of concern are also found on the main base. The chuckwalla (*Sauromalus obesus*) is a lizard that has been recorded on rocky hillsides in the far eastern area of Area II. The banded gila monster (*Heloderma suspectorum cinctum*) is both a federal species of concern and a state-protected species whose presence has been confirmed in Area II. The burrowing owl (*Athene cunicularia*) is a federal species of concern and a state-protected bird species. This bird has been observed at the sanitary landfill at the south end of the base and along the flood control channel on the southeast side of the base. None of these species has been identified in the Dunning Circle Housing Area, nor does the area provide suitable habitat for any of these species.

In addition, there are nine species of bats with federal or state protection found or potentially occurring on Nellis AFB or the Nellis Range. Eight bat species are considered to be federal species of concern and one bat species is listed as threatened by the state of Nevada. Each of these bats has been found to occur on the Nellis Range and may also occur on Nellis AFB, although the presence of these species on base has not been confirmed. Habitats of particular importance to them include craggy cliff faces, caves, and abandoned mines. These habitats are not present in the Nellis Terrace Housing Area. None of these nine species has been identified in the Dunning Circle Housing Area.

Two sensitive plant species are found on Nellis AFB. The Las Vegas bearpoppy (*Arctomecon californica*) has been identified as a species of concern by the U.S. Fish and Wildlife Service (USFWS), listed as sensitive by the Nevada Natural Heritage Program, and fully protected by the state of Nevada. The USFWS hopes to avoid listing the species as federally threatened by protecting its habitat. It is only found in Clark County, Nevada, and in Mohave County, Arizona. The population is declining due to habitat disturbance and development in the Las Vegas area (Nevada Natural Heritage Program, 2001). Three bearpoppy populations are found in Area II and one in Area III. The population in Area III is the largest on the base, occupying an area of approximately 450 acres north of, and adjacent to, the Manch Manor Housing Area. The golden buckwheat (*Eriogonum corymbosum* var. *glutinosum*), which is on the Nevada Heritage Program watch list of rare plants, is found in Area III in the same area as the bearpoppy. These species have not been identified in the Dunning Circle Housing Area, nor does the area provide suitable habitat for these species.

Wetlands.

The only potential wetlands on Nellis AFB are the golf course ponds. The U.S. Army Corps of Engineers has indicated that these man-made ponds are not subject to wetlands protection under the CWA (Nellis Air Force Base, 2001). There are no wetlands situated within the Dunning Circle Housing Area.

Physiographic Conditions

Floodplains.

There are no 100-year floodplains within the Dunning Circle Housing Area. Therefore, floodplains and flooding are not of concern.

Landslide/Sinkhole Conditions.

Compaction faults and fissures have been identified as geologic constraints within Clark County. The Las Vegas Valley contains numerous compaction faults, which are of concern because they are subject to differential movement due to subsidence related to groundwater withdrawal. Subsidence due to groundwater withdrawal has been occurring in the Las Vegas Valley since the 1930s. Stresses related to subsidence, and resulting in fissures, have been localized near compaction faults (Sierra Delta Corporation, 1995). Although the area has a potential for compaction faults and fissures, these conditions have not been identified within the Dunning Circle Housing Area (Bell, 1992).

Seismic Conditions.

Nellis AFB is situated in Seismic Hazard Zone 2B (International Conference of Building Officials, 1997). Areas designated as Seismic Hazard Zone 2B could experience earthquakes at intensities likely to cause people to have difficulty in standing and drivers to feel their cars shaking. Earthquakes could cause some furniture to break and loose bricks to fall from buildings. Damage would be slight to moderate in well-built buildings, and considerable in poorly built buildings (Louie, 1996).

Valuable Resources

Mineral Resources

No economically recoverable mineral resources have been identified within the Dunning Circle Housing Area.

Prime and Unique Farmlands or Timberlands

No prime and unique farmlands or timberlands have been identified within the Dunning Circle Housing Area. The U.S. Department of Agriculture, Natural Resources Conservation Service, does not consider the soil types found within the Dunning Circle Housing Area to be suitable to support prime and unique farmlands (U.S. Department of Agriculture, 2002). There are no prime and unique timberlands within the housing area. The Dunning Circle Housing Area has been completely disturbed and prior to development, the area supported desert vegetation; no natural timberlands previously occurred on the property.

Water Rights

There are no water rights concerns associated with the Nellis Terrace Housing Area. The water supply for Nellis AFB, including the Dunning Circle Housing Area, is provided by the SNWA and base wells. There are no water wells within the Dunning Circle Housing Area that supply water for the base; therefore, water rights are not an issue.

REFERENCES

- 99th Civil Engineer Squadron, 2002. Personal communication with Lynn Haarklau (CES/CEVN) regarding consultation with American Indian groups to identify traditional cultural resources at Nellis AFB, 20 February.
- Bell, J., 1992. Las Vegas Valley: Land Subsidence Due to Ground-Water Withdrawal. Nevada Bureau of Mines and Geology. <http://geochange.er.usgs.gov/sw/impacts/hydrology/vegasgw/>.
- International Conference of Building Officials, 1997. Seismic Zone Map of the United States. Website: www.disastercenter.com, June.
- Louie, J., 1996. The Modified Mercalli Scale of Earthquake Intensity. University of Nevada. Website: www.seismo.unr.edu/ftp/pub/louie/class/100/mercalli.html.
- Nellis Air Force Base, 2001. Integrated Natural Resources Management Plan, Nellis Air Force Base/Nellis Air Force Range. 99th Civil Engineer Squadron, Environmental Management Flight, February.
- Nevada Natural Heritage Program, 2001. Rare Plant Fact Sheet: Arctomecon californica, Las Vegas Bearpoppy, compiled June 25.
- Sierra Delta Corporation, 1995. Biological Assessment of the U.S. Air Force, Nellis Air Force Base Water Well Annex, Clark County, Nevada, February.
- U.S. Army Environmental Center, 1999. For Want of a Home...a Historic Context for Wherry and Capehart Military Family Housing. <http://aec-www.apgea.army.mil:8080/prod/usaec/eq/conserv/acwcrcl.htm>.
- U.S. Department of Agriculture, 2002. Personal communication with Douglas Merkler, Resource Soil Scientist, Natural Resources Conservation Service, regarding Prime and Unique Farmlands or Timberlands in the Las Vegas, Nevada Area, February 25.
- U.S. Air Force, 1999. F-22 Aircraft Force Development Evaluation and Weapons School Beddown, Nellis AFB, Final Environmental Impact Statement, October.